DIGITAL KEYBOARD



SERVICE MANUAL



PSR-SX600

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IMPORTANT NOTICE

This manual has been provided for the use of authorized Yamaha Retailers and their service personnel. It has been assumed that basic service procedures inherent to the industry, and more specifically Yamaha Products, are already known and understood by the users, and have therefore not been restated.

WARNING:

Failure to follow appropriate service and safety procedures when servicing this product may result in personal injury, destruction of expensive components and failure of the product to perform as specified. For these reasons, we advise all Yamaha product owners that all service required should be performed by an authorized Yamaha Retailer or the

appointed service representative.

IMPORTANT: This presentation or sale of this manual to any individual or firm does not constitute authorization certification, recognition of any applicable technical capabilities, or establish a principal-agent relationship of any form.

The data provided is belived to be accurate and applicable to the unit(s) indicated on the cover. The research engineering, and service departments of Yamaha are continually striving to improve Yamaha products. Modifications are, therefore, inevitable and changes in specification are subject to change without notice or obligation to retrofit. Should any discrepancy appear to exist, please contact the distributor's Service Division.

WARNING: Static discharges can destroy expensive components. Discharge any static electricity your body may have accumulated by grounding yourself to the ground bus in the unit (heavy gauge black wires connect to this bus.)

IMPORTANT: Turn the unit OFF during disassembly and parts replacement. Recheck all work before you apply power to the unit.

WARNING

Components having special characteristics are marked and must be replaced with parts having specification equal to those originally installed.

、印の部品は、安全を維持するために重要な部品です。交換する場合は、安全のために必ず指定の部品をご使用ください。

■ SAVING DATA

Saving and backing up your data



Be sure to perform it

- The edited Songs/Styles/Voices/Multi Pads and MIDI settings are lost when you turn off the power to the instrument. This also occurs when the power is turned off by the Auto Power Off function. Save the edited data to the instrument, or to a USB flash drive. However, the data saved to the instrument may be lost due to some failure, an operation mistake, etc. Save your important data onto a USB flash drive.
- To protect against data loss through USB flash drive damage, we recommend that you save your important data onto spare USB flash drive or an external device such as a computer as backup data.

■データの保存

作成したデータの保存とバックアップ



- ・編集したソング/スタイル/ボイスやMIDI設定などは、 保存前に電源を切ると消えてしまいます。オートパワー オフ機能により電源が切れた場合も同様です。保存 しておきたいデータは、本体またはUSBフラッシュメ モリーに保存してください。
- ・本体に保存したデータは故障や誤操作などのために 失われることがあります。大切なデータは、USBフラッ シュメモリーに保存してください。
- ・保存した USB フラッシュメモリーの万一の事故に備えて、大切なデータは予備の USB フラッシュメモリー/コンピューターなどの外部機器にバックアップとして保存されることをおすすめします。

■ SPECIFICATIONS

| Product Name | | | Digital Keyboard |
|--------------------------|------------------------|-------------------------------|---|
| o: | Dimensions (W x D x H) | | 1004 mm x 410 mm x 134 mm |
| Size/Weight | Weight | | 8.1 kg |
| | | Number of Keys | 61 |
| | Keyboard | Туре | Organ |
| | | Touch Response | Normal, Soft1, Soft2, Hard1, Hard2 |
| | | Pitch Bend Wheel | Yes |
| 0 | Other Controllers | Modulation Wheel | Yes |
| Control Interface | | Knobs | 2 (Assignable) |
| | | Туре | TFT Color WQVGA LCD |
| | Display | Size | 480 x 272 dots (4.3 inch) |
| | | Language | English, German, French, Spanish, Italian, Japanese |
| | Panel | Language | English |
| | Tone Generation | Tone Generation Technology | AWM Stereo Sampling |
| | Polyphony | Number of Polyphony (Max.) | 128 |
| Voices | Dreset | Number of Voices | 850 Voices + 43 Drum/SFX Kits + 480 XG Voices |
| | Preset | Featured Voices | 73 S.Articulation!, 27 MegaVoice, 27 Sweet!, 64 Cool!, 71 Live! |
| | Compatibility | | XG, GS (for Song Playback), GM, GM2 |
| | Part | | Right 1, Right 2, Left |
| | Reverb Block | | 52 Preset + 30 User |
| | Chorus Block | | 106 Preset + 30 User |
| | DSP Block | | 295 Preset + 30 User |
| Effects | Master Compressor | | 5 Preset + 30 User |
| | Master EQ | | 5 Preset + 30 User |
| | Part EQ | | 27 Parts |
| | Mic Effects | | Noise Gate x 1, Compressor x 1, 3-Band EQ x 1 |
| | | Number of Styles | 415 |
| | | Featured Styles | FreePlay:1, Pro: 372, DJ: 10, Session: 32 |
| | Preset | Fingering | Single Finger, Fingered, Fingered On Bass, Multi Finger, Al Fingered, Full Keyboard, Al Full Keyboard, Smart Chord |
| Style | | Style Control | INTRO x 3, MAIN VARIATION x 4, FILL x 4, BREAK, ENDING x 3 |
| | | One Touch Setting (OTS) | 4 for each Style |
| | Other Features | Unison & Accent | Yes (80 Styles) |
| | | Style Section Reset | Yes |
| | Compatibility | | Style File Format (SFF), Style File Format GE (SFF GE) |
| Expandability (Expansion | Expansion Voice | | Yes (approx. 100MB max.) |
| Packs) | Expansion Style | | Yes (Internal Memory) |
| | Preset | Number of Preset Songs | 3 |
| | | Number of Tracks | 16 |
| Songs (MIDI) | Recording | Data Capacity | approx. 1 MB/Song |
| | | Recording Function | Quick Recording, Multi Track Recording |
| | Data Format | Playback | SMF (Format 0 & 1), XF |
| | Data i Oimat | Recording | SMF (Format 0) |
| Multi Pads | Preset | Number of Multi Pad Banks | 188 Banks x 4 Pads |
| | Audio | Audio Link | Yes |
| | | Harmony | Yes |
| | Voices | Arpeggio | Yes |
| Functions | | Panel Sustain | Yes |
| | | Mono/Poly | Yes |
| | | Voice Information | Yes |

| | | Ctude Creater | V |
|---|---------------------|-------------------------------|--|
| | Styles | Style Creator OTS Information | Yes |
| | | Song Creator | Yes Yes |
| | | - | |
| | Songs | Score Display Function | Yes |
| | | Lyrics Display Function | Yes |
| | | Guide | Follow Lights, Any Key, Karao-Key, Your Tempo |
| | Multi Pads | Multi Pad Creator | Yes |
| | Registration Memory | Number of Buttons | 8 |
| | , | Control | Registration Sequence, Freeze |
| | Playlist | Number of Records (max.) | 500 (max.) Records per Playlist file |
| | | Recording Time (max.) | 80 minutes/Song |
| | | Recording | WAV (44.1 kHz, 16-bit, stereo) |
| Functions | USB Audio Player/ | Playback | WAV (44.1 kHz, 16-bit, stereo) |
| | Recorder | Time Stretch | Yes |
| | | Pitch Shift | Yes |
| | | Vocal Cancel | Yes |
| | USB audio interface | | 44.1 kHz, 16-bit, stereo |
| | Demonstration | | Yes |
| | | Metronome | Yes |
| | | Tempo | 5 – 500 |
| | | Transpose | -12 - 0 - +12 |
| | Overall Controls | Tuning | 414.8 – 440.0 – 466.8 Hz |
| | | Octave Button | Yes |
| | | Scale Type | 9 Types |
| | | Direct Access | Yes |
| | Miscellaneous | Text Display Function | Yes |
| | | Internal Memory | Yes (approx. 20 MB max.) |
| | Storage | External Drives | USB flash drive |
| | | | 16 V |
| | | DC IN | 1 |
| | | Headphones | Standard stereo phone jack |
| Storage and Connectivity | | Microphone | Standard mono phone jack |
| Connectivity | Connectivity | AUX IN | Stereo mini jack |
| | | OUTPUT | L/L+R, R |
| | | FOOT PEDAL | 1 (Sustain), 2 (Unison), Function Assignable |
| | | USB TO DEVICE | Yes |
| | | USB TO HOST | Yes |
| Amplifiers/ | Amplifiers | | 15 W x 2 |
| Speakers | Speakers | | 12 cm x 2 |
| | Adaptor | | PA-300C or an equivalent recommended by Yamaha |
| Power Supply | Power Consumption | | 17 W (When using PA-300C AC adaptor) |
| | Auto Power Off | | Yes |
| Included Accessories | | | Ounline Member Product Registration Music rest AC adaptor* PA-300C, Power cord* May not be included depending on your area. Check with your Yamaha dealer. |
| Separately Sold Accessories (May not be available depending on your locale.) | | ır locale.) | AC adaptor: PA-300C Headphones: HPH-50/HPH-100/HPH-150 Footswitches: FC4A/FC5 Foot controller: FC7 USB wireless LAN adaptor: UD-WL01 Wireless MIDI adaptor: UD-BT01 Subwoofer: KS-SW100 Keyboard stand: L-6/L-7B (The exterior size of the PSR-SX600 is beyond the limits as described in the L-6 Assembly Instructions. However, we have determined through tests the the stand can be safely used for the instrument.) |

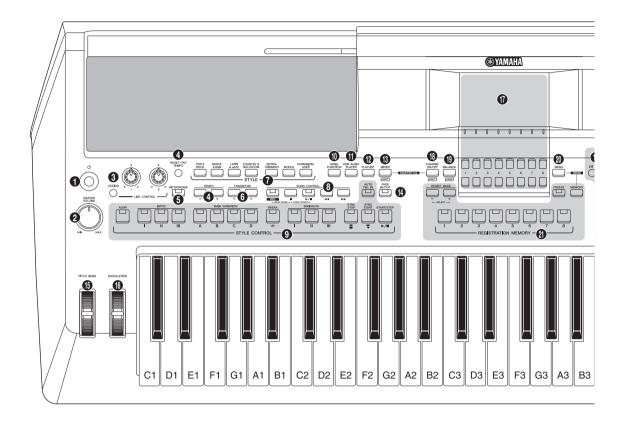
■総合仕様

| 品名 | | | 電子キーボード |
|--------------------|----------------|-------------------|--|
| | 寸法 | 幅×奥行き×高さ | 1004 mm × 410 mm × 134 mm |
| サイズ/質量 | 質量 | 温・火田で不同で | 8.1 kg |
| | ×± | 鍵盤数 | 61 |
| | 鍵盤 | タッチ感度 | ノーマル、ソフト1、ソフト2、ハード1、ハード2 |
| | | ピッチベンドホイール | 0 |
| | その他の操作子 | モジュレーションホイール | 0 |
| 操作子 | C 4710471X11 1 | ノブ | 2 (アサイナブル) |
| JAIFJ | | タイプ | TFT カラー WQVGA LCD |
| | ディスプレイ | サイズ | 480×272 ドット (4.3 インチ) |
| | 7 1 7 7 7 1 | 言語 | 6言語(日、英、独、仏、西、伊) |
| | パネル | 言語 | 英語 (和文シート) |
| | 音源 | 音源方式 | AWMステレオサンプリング |
| | 発音数 | 最大同時発音数 | 128 |
| | 76120 | ボイス数 | 850 ボイス + 43 ドラム/SFXキット + 480 XG ボイス |
| 音源/ボイス | プリセット | | 73 スーパーアーティキュレーション, 27 メガボイス, |
| | | ボイスタイプ | 27 スイート, 64 クール, 71 ライブ |
| | 対応フォーマット | ` | XG, GS (再生専用), GM, GM2 |
| | パート | | ライト1, ライト2, レフト |
| | リバーブブロック | 7 | 52 プリセット + 30 ユーザー |
| | コーラスブロック | 7 | 106 プリセット + 30 ユーザー |
| | DSPブロック | | 295 プリセット + 30 ユーザー |
| エフェクト | マスターコンプし | ノッサー | 5 プリセット + 30 ユーザー |
| | マスターEQ | | 5 プリセット + 30 ユーザー |
| | パートEQ | | 27 パート |
| | マイクエフェクト | | ノイズゲート × 1, コンプレッサー × 1, 3 バンドEQ × 1 |
| | | スタイル数 | 415 |
| | | スタイルタイプ | プロ: 372, セッション: 32, フリープレイ: 1, DJ: 10 |
| | プリセット | フィンガリング | シングルフィンガー、フィンガード、フィンガードオンベース、 マルチフィンガー、AIフィンガード、フルキーボード、 AIフルキーボード、スマートコード |
| 伴奏スタイル | | スタイルコントロール | イントロ×3、メイン×4、フィルイン×4、 ブレイク、エンディング×3 |
| | | OTS(ワンタッチセッチング) | 各スタイルに4種類 |
| | その他特長 | ユニゾン&アクセント | ○(80 スタイル) |
| | | スタイルセクションリセット | 0 |
| | 対応フォーマット | | スタイルファイルフォーマット(SFF), |
| | | | スタイルファイルフォーマット GE (SFF GE) |
| 拡張(エクスパン | エクスパンション | | ○(最大約100MB) |
| ションパック) | エクスパンション | | ○(内蔵メモリー) |
| | プリセット | 内蔵曲数 | 3 プリセット |
| | △ ∃ ↔ | トラック数 | 16 |
| 録音/再生 (MIDIソング) | 録音 | データ容量 | 1曲約1MB |
| (MIDI///) | | ファンクション | クイック録音、マルチトラック録音 |
| | フォーマット | 再生 | SMF (フォーマット0 & 1), XF |
| | ا ۱۰۰۰ ط | 録音 | S MF (フォーマット0) |
| マルチパッド | プリセット オーディオ | マルチパッドバンク数 | 188バンク × 4パッド |
| 7 | オーティオ | オーディオリンク | 0 |
| | | ハーモニー | 0 |
| | 音源/ボイス | アルペジオ パネルサステイン | 0 |
| | | | |
| ファンクション | | モノ/ポリ | 0 |
| | | ボイスインフォメーション | - |
| | スタイル | スタイルクリエーター | 0 |
| | 1 | OTS インフォメーション | 0 |

| | | ソングクリエーター | 0 |
|------------|-------------------|---------------|--|
| | ソング | 譜面表示 | 0 |
| | | 歌詞表示 | 0 |
| | | ガイド機能 | フォローライツ、エニーキー、カラオキー、ユアテンポ |
| | マルチパッド | マルチパッドクリエーター | 0 |
| | レジストレー | ボタン数 | 8 |
| | ションメモリー | コントロール | レジストレーションシーケンス、フリーズ |
| | プレイリスト | レコード数 | 1 プレイリスト 最大500 レコード |
| | 7017/1 | 録音時間(最大) | 80分/曲 |
| | | 録音 | WAV (44.1 kHz, 16 bit, ステレオ) |
| | UCD+_=` | 再生 | WAV (44.1 kHz, 16 bit, ステレオ) WAV (44.1 kHz, 16 bit, ステレオ) |
| | USBオーディオ プレーヤー | タイムストレッチ | WAV (44.1 KHZ, 10 BR, X / V/J) |
| ファンクション | | ピッチシフト | 0 |
| | | | 0 |
| | 11CD - 1 . 4 | ボーカルキャンセル | Ü |
| | | インターフェース | 44.1 kHz, 16 bit, ステレオ |
| | デモ | | Yes |
| | | メトロノーム | |
| | | テンポ | 5~500、タップテンポ |
| | 全体設定 | トランスポーズ | -12 ~0 ~+12 |
| | | チューニング | 414.8~440.0~466.8 Hz |
| | | オクターブボタン | O |
| | | スケール(音律) | 9タイプ |
| | その他 | ダイレクトアクセス | 0 |
| | C 17 10 | テキスト表示 | 0 |
| | メモリー | 内蔵メモリー | ○(最大約20MB) |
| | 7.69 | 外付けメモリー | USBフラッシュメモリー |
| | | DC IN | 16 V |
| | | ヘッドホン | ステレオ標準フォーン端子 |
| | | マイク | モノラル標準フォーン端子 |
| メモリー /接続端子 | | AUX IN | ステレオミニ端子 |
| | 接続端子 | OUTPUT | L/L+R, R |
| | | FOOT PEDAL | 1(サステイン)、2(ユニゾン) アサイナブル |
| | | USB TO DEVICE | Yes |
| | | USB TO HOST | Yes |
| | アンプ出力 | | 15 W × 2 |
| アンプ/スピーカー | スピーカー | | 12 cm × 2 |
| | 電源アダプター | | PA-300C(またはヤマハ推奨の同等品) |
| 電源 | 消費電力 | | 17 W(電源アダプター P A-300 C 使用時) |
| -205 | オートパワーオフ | | 0 |
| 付属品 | | | 取扱説明書、製品登録のご案内、譜面立て、 電源アダプター PA-300C、 電源コード、保証書、和文シート |
| 別売品 | | | 電源アダプター: PA-300C ヘッドフォン: HPH-50/HPH-100/HPH-150 ソフトケース: SCC-53 フットスイッチ: FC4A/FC5 フットコントローラー: FC7 USB無線LANアダプター: UD-WL01 ワイヤレスMIDIアダプター: UD-BT01 キーボードスタンド: L-6/L-7B (PSR-SX600 は、L-6の組立説明書で記載しているサイズを超えていますが、問題なくで使用いただけることを安全性試験で確認しています) |

■ PANEL LAYOUT (パネルレイアウト)

● Top Panel (トップパネル)



- 1 [d] (Standby/On) switch
- **②** [MASTER VOLUME] dial
- (3) [ASSIGN] button, LIVE CONTROL knobs
- (4) [RESET/TAP TEMPO] button, TEMPO [-]/[+] buttons
- [METRONOME] button
- **1** TRANSPOSE [-]/[+] buttons
- STYLE category selection buttons
- **3** SONG CONTROL buttons
- **9** STYLE CONTROL buttons
- (I) [SONG FUNCTION] button
- (I) [USB AUDIO PLAYER] button
- (PLAYLIST] button
- (B) [MIXER] button
- ([FADE IN/OUT] button
- (3) [PITCH BEND] wheel
- (B) [MODULATION] wheel

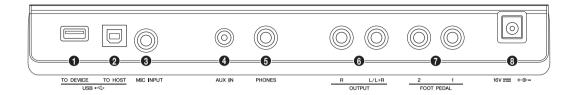
- ① [Ů](スタンバイ/オン)スイッチ
- ② [MASTER VOLUME]ダイアル
- (ASSIGN)(アサイン)ボタン、
 LIVE CONTROL(ライブコントロール)ノブ
- [RESET/TAP TEMPO](リセット/タップテンポ)ボタン、 TEMPO(テンポ)[ー]/[+]ボタン
- ⑤ [METRONOME](メトロノーム)ボタン
- **⑥** TRANSPOSE(トランスポーズ)[−]/[+]ボタン
- **介** STYLE(スタイル)カテゴリーボタン
- 3 SONG CONTROL(ソングコントロール)ボタン
- ∮ STYLE CONTROL(スタイルコントロール)ボタン
- **⑩** [SONG FUNCTION](ソング機能)ボタン
- (USB AUDIO PLAYER)(USBオーディオプレーヤー)ボタン
- ② [PLAYLIST](プレイリスト)ボタン
- [®] [MIXER](ミキサー)ボタン
- [FADE IN/OUT](フェードイン/アウト)ボタン
- ⑤ [PITCH BEND](ピッチベンド)ホイール



- 1 LCD and related controls
- (B) [CHANNEL ON/OFF] button
- [BALANCE] button
- **(MENU)** button
- REGISTRATION MEMORY buttons
- [OTS LINK] button
- **3** ONE TOUCH SETTING buttons
- VOICE category selection buttons
- MULTI PAD CONTROL buttons
- PART SELECT buttons
- PART ON/OFF buttons
- [MIC SETTING] button
- **W** VOICE EFFECT buttons
- **(1)** UPPER OCTAVE [-]/[+] buttons

- 画面、画面操作ボタン
- (B) [CHANNEL ON/OFF](チャンネル オン/オフ)ボタン
- [BALANCE](バランス)ボタン
- ② REGISTRATION MEMORY
 (レジストレーションメモリー)ボタン
- ② [OTS LINK](OTSリンク)ボタン
- Ø ONE TOUCH SETTING
 (ワンタッチセッティング)ボタン
- ❷ VOICE(ボイス)カテゴリーボタン
- MULTI PAD CONTROL (マルチパッドコントロール)ボタン
- PART SELECT(パート選択)ボタン
- ② PART ON/OFF(パートオン/オフ)ボタン
- ❷ VOICE EFFECT(ボイスエフェクト)ボタン
- **⑩** UPPER OCTAVE(オクターブ)[−][+]ボタン

● Rear Panel(リアパネル)



- 1 [USB TO DEVICE] terminal
- **②** [USB TO HOST] terminal
- [MIC INPUT] jack
- 4 [AUX IN] jack
- **6** [PHONES] jack
- **6** OUTPUT [L/L+R]/[R] jacks
- 7 FOOT PEDAL [1]/[2] jacks
- O DC IN jack

- [USB TO DEVICE]端子
- ❷ [USB TO HOST]端子
- ③ [MIC INPUT]端子
- ◆ [AUX IN]端子
- **⑤** [PHONES]端子
- **⑥** OUTPUT [L/L+R]/[R]端子
- **⑦** FOOT PEDAL [1]/[2]端子
- ❸ DC IN端子

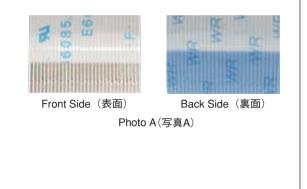
■ DISASSEMBLY PROCEDURE (分解手順)

CAUTION:

- Be sure to attach the removed filament tape or nonwoven cloth just as it was before removal.
- Contacts are visible from the back. Pay attention not to insert and install the cable to the connector inversely. (Photo A)

(注意):

- 一度剥がしたフィラメントテープ又は不織布等は、取り外す前 と同じように、取り付けてください。
- フラットケーブルの接点が裏側から透けて見えます。コネクタ にケーブルの表、裏を逆に差し込まないように注意して取り付 けてください。(写真 A)



1. Lower Key Bed Assembly (Time required: About 4 minutes)

- 1-1. Remove the four (4) screws marked [110], two (2) screws marked [100A] and fourteen (14) screws marked [100B]. The lower key bed assembly can then be removed. (Fig.1)
- * When installing the lower key bed assembly, first tighten the two (2) screws marked [100A] and then the remaining screws. (Fig. 1)

2. Bottom Board

(Time required: About 4 minutes)

2-1. Remove the twenty-three (23) screws marked [120]. The bottom board can then be removed. (Fig.1)

1. 下ケース鍵盤 Ass'v (所要時間:約4分)

- 1-1. [110] のネジ 4 本、[100A] のネジ 2 本と [100B] のネジ 14 本を外し、下ケース鍵盤 Ass'y を外します。 (図 1)
- ※ 下ケース鍵盤 Ass'y を取り付けるときは、[100A] のネジ 2 本を締めてから他のネジを締めてください。(図 1)

2. 底板 (所要時間:約4分)

2-1. [120] のネジ 23 本を外し、底板を外します。(図 1)

● Bottom view (下から見た図)

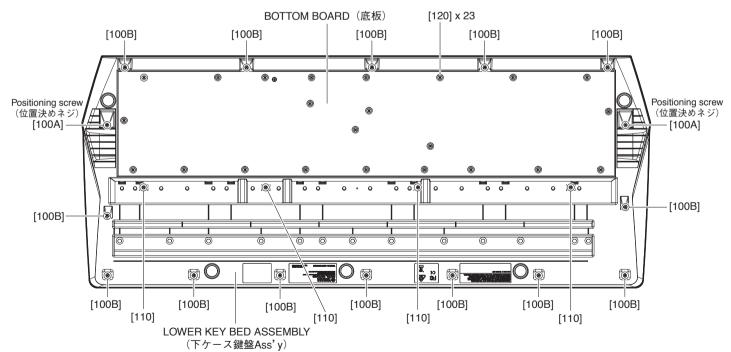


Fig. 1(図1)

3. JK Circuit Board (Time required: About 5 minutes)

- 3-1. Remove the lower key bed assembly. (See procedure 1.)
- 3-2. Remove the two (2) screws marked [550A], four (4) screws marked [550B] and two (2) screws marked [560]. The JK circuit board can then be removed. (Fig. 2)
- * When installing the JK circuit board, first tighten the two (2) screws marked [550A] and then the remaining screws. (Fig. 2)

4. DM Circuit Board

(Time required: About 5 minutes)

- 4-1. Remove the lower key bed assembly. (See procedure 1.)
- 4-2. Remove the six (6) screws marked [550C]. The DM circuit board can then be removed. (Fig. 2)
- * After replacing the DM circuit board, make sure to execute the "Factory Set" in the Test program.
- * Hardware ID is stored in the Program (Backup) ROM on the DM circuit board. If the DM circuit board is replaced, Hardware ID will be changed.
- * When replacing the DM sheet for I (INA), remove the R323 1.0kΩ chip resistor. (See page 22)

5. PNL Circuit Board (Time required: About 7 minutes)

● Bottom view (下から見た図)

- 5-1. Remove the two (2) volume knobs marked [70] from the control panel surface. (Fig. 4)
- 5-2. Remove the lower key bed assembly. (See procedure 1.)
- 5-3. Remove the eighteen (18) screws marked [550D]. The PNL circuit board can then be removed. (Fig. 2)

3. JK シート (所要時間:約5分)

- 3-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 3-2. [550A] のネジ2本と[550B] のネジ4本、[560] の ネジ2本を外し、JKシートを外します。(図2)
- ※ JK シートを取り付けるときは、[550A] のネジ2本を締めてから他のネジを締めてください。(図2)

4. DM シート (所要時間:約5分)

- 4-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 4-2. [550C] のネジ 6 本を外し、DM シートを外します。 (図 2)
- ※ DM シートを交換した場合は、テストプログラムの FactorySet を実行してください。
- ※ DMシート毎に固有のHardware ID が Program (Backup) ROM に書き込まれているため、DM シート交換後は Hardware ID の番号が変わります。
- ※ I (INA) 仕向のDM シートを交換する場合は、R323 1.0kΩ チップ抵抗を取り外してください。(22 ページ参照)

5. PNL シート (所要時間:約7分)

- 5-1. コントロールパネル面から [70] の VR ノブ 2 個を 外します。(図 4)
- 5-2. 下ケース鍵盤 Ass'v を外します。(1 項参照)
- 5-3. [550D] のネジ 18 本を外し、PNL シートを外します。(図 2)

Positioning screw Positioning screw (位置決めネジ) (位置決めネジ) UPPER CASE ASSEMBLY [550A] [550A] (上ケースAss'y) [550C] [550B] [550B] PNL [550E]x15 [550D]x18 [550C] [560]

Fig. 2(図2)

6. PNR Circuit Board

(Time required: About 6 minutes)

- 6-1. Remove the lower key bed assembly. (See procedure 1.)
- 6-2. Remove the fifteen (15) screws marked [550E]. The PNR circuit board can then be removed. (Fig. 2)

6. PNR シート (所要時間:約6分)

- 6-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 6-2. [550E]のネジ15本を外し、PNRシートを外します。 (図 2)

● Bottom view (下から見た図)

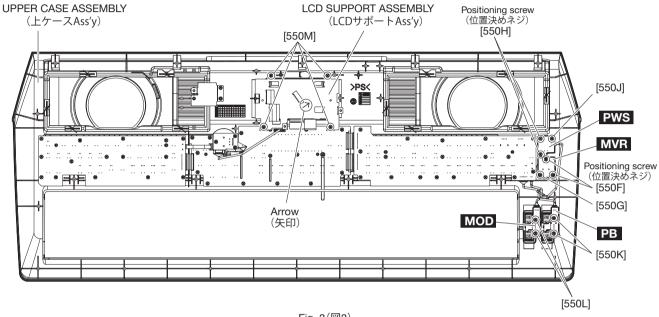


Fig. 3(図3)

● Top view (上から見た図)

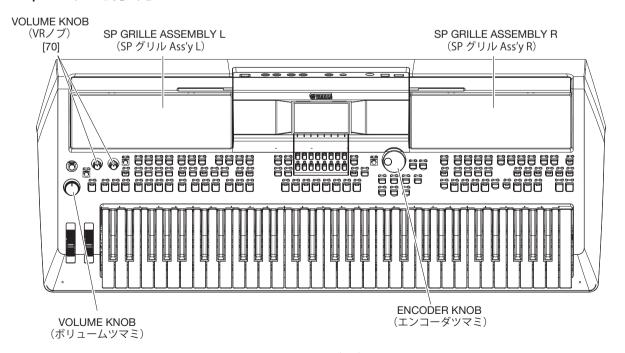


Fig. 4(図4)

7. MVR Circuit Board

(Time required: About 6 minutes)

- 7-1. Remove the volume knob from the control panel surface. (Fig. 4)
- 7-2. Remove the lower key bed assembly. (See procedure 1.)
- 7-3. Remove the two (2) screws marked [550F] and a screw marked [550G]. The MVR circuit board can then be removed. (Fig. 3)
- * When installing the MVR circuit board, first tighten the two (2) screws marked [550F] and then the screw marked [550G]. (Fig. 3)

8. PWS Circuit Board (Time required: About 5 minutes)

- 8-1. Remove the lower key bed assembly. (See procedure 1.)
- 8-2. Remove the two (2) screws marked [550H] and a screw marked [550J]. The PWS circuit board can then be removed. (Fig. 3)
- * When installing the PWS circuit board, first tighten the two (2) screws marked [550H] and then the screw marked [550J]. (Fig. 3)

9. PB Circuit Board, Wheel Assembly (Time required: About 6 minutes)

- 9-1. Remove the lower key bed assembly. (See procedure 1.)
- 9-2. Remove the two (2) screws marked [550K]. The PB circuit board can then be removed with the wheel assembly attached. (Fig. 3)
- 9-3. Pull out the wheel assembly from the PB circuit board. (Fig. 5)

10. MOD Circuit Board, Wheel (Time required: About 6 minutes)

- 10-1. Remove the lower key bed assembly. (See procedure 1.)
- 10-2. Remove the two (2) screws marked [550L]. The MOD circuit board can then be removed with the wheel attached. (Fig. 3)
- 10-3. Pull out the wheel from the MOD circuit board. (Fig. 5)

7. MVR シート (所要時間:約6分)

- 7-1. コントロールパネル面からボリュームツマミを外します。(図 4)
- 7-2. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 7-3. [550F] のネジ2本と[550G] のネジ1本を外し、 MVRシートを外します。(図3)
- ※ MVR シートを取り付けるときは、[550F] のネジ2本を 締めてから [550G] のネジを締めてください。(図3)

8. PWS シート (所要時間: 約5分)

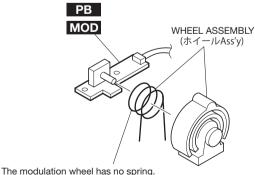
- 8-1. 下ケース鍵盤 Ass'v を外します。(1 項参照)
- 8-2. [550H] のネジ2本と[550J] のネジ1本を外し、 PWSシートを外します。(図3)
- ※ PWS シートを取り付けるときは、[550H] のネジ2本を 締めてから [550J] のネジを締めてください。(図3)

9. PB シート、ホイール Ass'y (所要時間: 約6分)

- 9-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 9-2. [550K] のネジ 2 本を外して、ホイール Ass'y が付いた状態で PB シートを外します。(図 3)
- 9-3. PB シートからホイール Ass'y を抜いて外します。 (図 5)

10. MOD シート、ホイール (所要時間:約6分)

- 10-1. 下ケース鍵盤 Ass'v を外します。(1 項参照)
- 10-2. [550L] のネジ2本を外して、ホイールが付いた状態で MOD シートを外します。(図3)
- 10-3. MOD シートからホイールを抜いて外します。 (図 5)



The modulation wheel has no spring.

(モジュレーションホイールには、バネはありません。)

Fig. 5(図5)

11. LCD UNIT

(Time required: About 8 minutes)

- 11-1. Remove the lower key bed assembly. (See procedure 1.)
- 11-2. Remove the JK circuit board. (See procedure 3)
- 11-3. Remove the DM circuit board. (See procedure 4)
- 11-4. Remove the four (4) screws marked [550M]. The LCD Support Assembly can then be removed. (Fig. 3)
- 11-5. Remove the LCD UNIT. (Fig. 6)
- * When installing the LCD Support Assembly, push and fix on arrow direction. (Fig. 3)

12. PNC Circuit Board

(Time required: About 7 minutes)

- 12-1. Remove the lower key bed assembly. (See procedure 1.)
- 12-2. Remove the DM circuit board. (See procedure 4)
- 12-3. Remove the eighteen (18) screws marked [550N]. The PNC circuit board can then be removed. (Fig. 6)

13. ENC Circuit Board

(Time required: About 7 minutes)

- 13-1. Remove the encoder knob from the control panel surface. (Fig. 4)
- 13-2. Remove the lower key bed assembly. (See procedure 1.)
- 13-3. Remove the DM circuit board. (See procedure 4)
- Remove the two (2) screws marked [550P] and a screw marked [550Q]. The ENC circuit board can then be removed. (Fig. 6)
- * When installing the ENC circuit board, first tighten the two (2) screws marked [550P] and then the screw marked [550Q]. (Fig. 6)

11. 液晶ユニット (所要時間:約8分)

- 11-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 11-2. JK シートを外します。(3 項参照)
- 11-3. DM シートを外します。(4 項参照)
- 11-4. [550M] のネジ 4 本を外して、LCD サポート Ass'y を外します。(図 3)
- 11-5. 液晶ユニットを外します。(図 6)
- ※ LCD サポート Ass'y を取り付けるときは、矢印方向に押しながら固定します。(図3)

12. PNC シート (所要時間:約7分)

- 12-1. 下ケース鍵盤 Ass'v を外します。(1 項参照)
- 12-2. DM シートを外します。(4 項参照)
- 12-3. [550N] のネジ 18 本を外し、PNC シートを外しま す。(図 6)

13. ENC シート (所要時間:約7分)

- 13-1. コントロールパネル面からエンコーダツマミを外 します。(図 4)
- 13-2. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 13-3. DM シートを外します。(4 項参照)
- 13-4. [550P] のネジ2本と[550Q] のネジ1本を外し、 ENC シートを外します。(図 6)
- ※ ENC シートを取り付けるときは、[550P] のネジ2本を 締めてから [550Q] のネジを締めてください。(図 6)

● Bottom view (下から見た図)

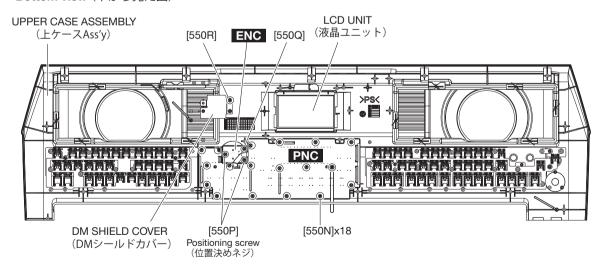


Fig. 6(図6)

14. SP Grille Assembly L

(Time required: About 5 minutes)

- 14-1. Remove the lower key bed assembly. (See procedure 1.)
- 14-2. Align the six (6) [A]s the groove in the upper case assembly and remove the SP grille assembly L. (Fig. 4, Fig. 7)

15. SP Grille Assembly R (Time required: About 7 minutes)

- 15-1. Remove the lower key bed assembly. (See procedure 1.)
- 15-2. Remove the DM circuit board. (See procedure 4)
- 15-3. Remove the screw marked [550R]. The DM shield cover can then be removed. (Fig. 6)
- 15-4. Align the six (6) [A]s the groove in the upper case assembly and remove the SP grille assembly R. (Fig. 4, Fig. 7)

14. SP グリル Ass'y L (所要時間: 約5分)

- 14-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 14-2. [A] の 6 箇所の爪を、上ケース Ass'y の溝と平行 にして、SP グリル Ass'y L を外します。 (図 4、図 7)

15. SP グリル Ass'y R (所要時間: 約7分)

- 15-1. 下ケース鍵盤 Ass'v を外します。(1 項参照)
- 15-2. DM シートを外します。(4 項参照)
- 15-3. [550R] のネジ1本を外し、DM シールドカバーを 外します。(図 6)
- 15-4. [A] の 6 箇所の爪を、上ケース Ass'y の溝と平行 にして、SP グリル Ass'y R を外します。(図 4、図 7)

● Bottom view (下から見た図)

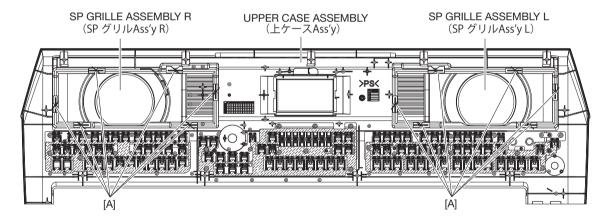


Fig. 7(図7)

16. KEY Circuit Board

(Time required: About 5 minutes)

- 16-1. Remove the lower key bed assembly. (See procedure 1.)
- 16-2. Remove the four (4) screws marked [160]. The KEY circuit board can then be removed. (Fig. 8)

17. Speaker

(Time required: About 5 minutes)

- 17-1. Remove the lower key bed assembly. (See procedure 1.)
- 17-2. Remove the four (4) screws marked [150]. The speaker can then be removed. (Fig. 8)
- * The right and left speakers can be removed in the same manner.

16. KEY シート (所要時間:約5分)

- 16-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 16-2. [160] のネジ 4 本を外し、KEY シートを外します。 (図 8)

17. スピーカ (所要時間:約5分)

- 17-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 17-2. [150] のネジ 4 本を外して、スピーカを外します。 (図 8)
- ※ 左右のスピーカは同じように外せます。

● Top view (上から見た図)

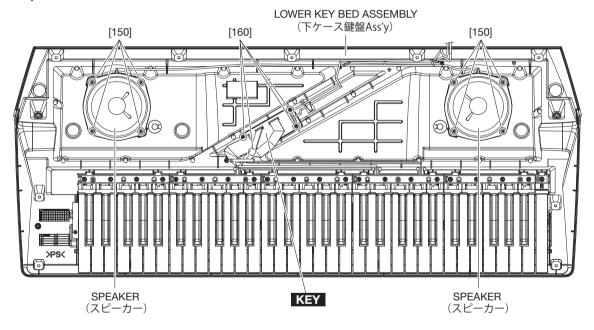


Fig. 8(図8)

18. **Disassembling Keyboard Assembly** (Time required: About 13 minutes)

- 18-1. Remove the lower key bed assembly. (See procedure 1.)
- 18-2. White Keys and Black Keys
- 18-2-1. White and black keys for one octave unit are integrated as a set. There are five sets in total. Only the C6 white key, unlike the other keys, is not integrated in a set. (Fig. 9)
- 18-2-2. To remove a set, remove the four (4) each screws marked [120A]. The white and black keys in the set can then be removed. (Fig. 9) When removing, unfasten the two (2) hooks at the back
- of the black keys upward, and lift the white and black keys while pulling them toward you a little. (Photo 1) 18-2-3. To remove the white key C6, remove the screw marked
- [120B], unhook as described in Procedure 18-2-2, and pull out toward you. (Fig. 9)
- When all white and black keys were removed, first attach the white and black keys C3 ~ B3 aligning them with the boss, and then attach the remaining white and black keys. (Fig. 9)

- 18. 16N-C61 鍵盤の分解(所要時間:約13分)
- 18-1. 下ケース鍵盤 Ass'y を外します。(1 項参照)
- 18-2. 白鍵、黒鍵
- 18-2-1.白鍵、黒鍵は、左側から1 オクターブ単位のセッ になっていて、全部で5 セットあります。C6 鍵 は白鍵1個のみです。(図9)
- 18-2-2.1 オクターブ単位のセットは、[120A] のネジ4本 を外してそれぞれ1セット分の白鍵・黒鍵を外し ます。(図9) この時、黒鍵の後ろ側にある2つのフックを上方 向に外し、白鍵・黒鍵を少し手前に引きながら持 ち上げます。(写真1)
- 18-2-3.C6 の白鍵は [120B] のネジ1 本を外して、18-2-2 項のようにフックを外して手前に引きながら外し ます。(図9)
- すべての白鍵・黒鍵を外した場合の組み立ては、最初に C3 ~ B3 の白鍵・黒鍵をボスに合わせて組み付けてか ら、他の白鍵・黒鍵を組み付けてください。(図 9)

Boss 9

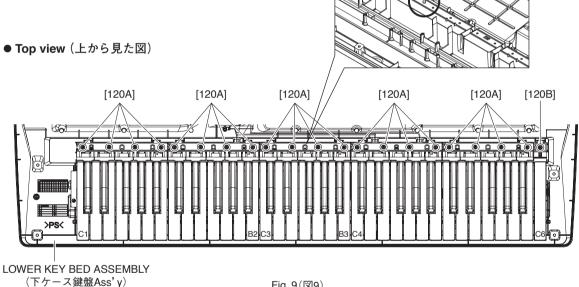


Fig. 9 (図9)



Photo 1(写真1)



RUBBER CONTACT (接点ゴム) Photo 2(写真2)

● Top view (上から見た図)

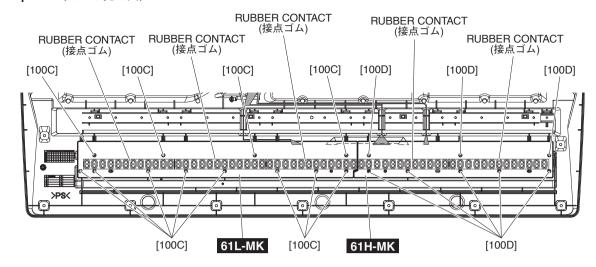
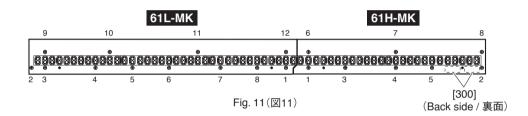


Fig. 10(図10)



- 18-3. Rubber Contact
- 18-3-1. Remove the white and black keys corresponding to therubber contacts to be removed.

 (See Fig. 9 and Procedure 18-2.)
- 18-3-2. Remove the rubber contacts. (Photo 2, Fig. 10)

18-4. 61L-MK Circuit Board

- 18-4-1. Remove the white and black keys from C1 to B3. (See Fig. 9 and Procedure 18-2.)
- 18-4-2. Remove the twelve (12) screws marked [100C]. The 61L-MK circuit board can then be removed. (Fig. 10)
- * When installing the 61L-MK circuit board, tighten the screws 1 through 12 in numerical order as shown in the figure "61L-MK" in Fig. 11. (Fig. 11)

18-5. 61H-MK Circuit Board

- 18-5-1. Remove the white and black keys from C4 to C6. (See Fig. 9 and Procedure 18-2.)
- 18-5-2. Remove the eight (8) screws marked [100D]. The 61H-MK circuit board can then be removed. (Fig. 10)
- * When installing the 61H-MK circuit board, tighten the screws 1 through 8 in numerical order as shown inthe figure "61H-MK" in Fig. 11. (Fig. 11)
- * When replacing the 61H-MK circuit board, remove the cushion (PE) marked [300] attached to the back and repaste it onto the new 61H-MK circuit board. (Fig. 11)

18-3. 接点ゴム

- 18-3-1.外そうとする接点ゴムに対応した白鍵・黒鍵を外 します。(図 9、18-2 項参照)
- 18-3-2. それぞれの接点ゴムを外します。 (写真 2、図 10)

18-4. **61L-MK** シート

- 18-4-1.C1 ~ B3 の白鍵・黒鍵を外します。 (図 9、18-2 項参照)
- 18-4-2.[100C] のネジ 12 本を外して、61L-MK シートを 外します。(図 10)
- ※ 61L-MK シートを取り付けるときは、図 11 の 61L-MK シートの番号 1 ~ 12 の順にネジを締めてください。(図 11)

18-5. **61H-MK** シート

- 18-5-1.C4 ~ C6 の白鍵・黒鍵を外します。 (図 9、18-2 項参照)
- 18-5-2.[100D] のネジ 8 本を外して、61H-MK シートを外します。(図 10)
- ※ 61H-MK シートを取り付けるときは、図 11 の 61H-MK シートの番号 1 ~ 8 の順にネジを締めてください。 (図 11)
- ※ 61H-MK シートを交換する場合は、裏面に取り付けてある [300] のクッション (PE) をはがして、新しいシート に貼り付け直してください。(図 11)

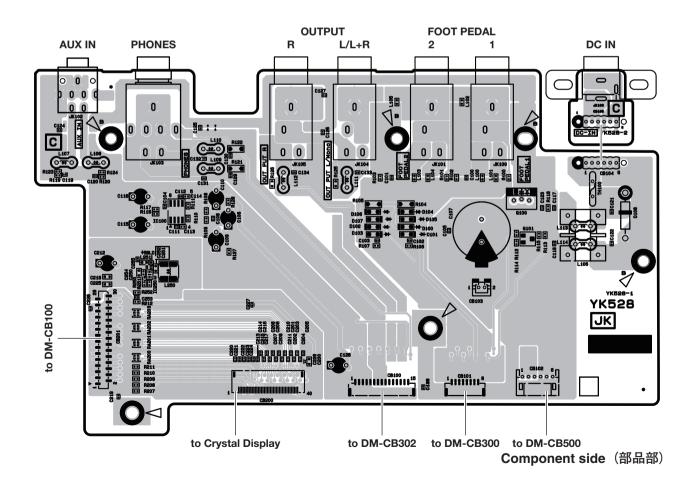
■ CIRCUIT BOARDS(シート基板図)

| JK Circuit Board (YK528C0) | 20 |
|--|-------|
| DM Circuit Board (YK527C0) | |
| ENC Circuit Board (YK529C0) | 28 |
| KEY Circuit Board (YK529C0) | 28 |
| MOD Circuit Board (YK886B0) | 29 |
| PB Circuit Board (YK886B0) | 29 |
| PNC Circuit Board (YK529C0) | 24/25 |
| PNL (PNL, MVR) Circuit Board (YK886B0) | 26 |
| PNR Circuit Board (YK886B0) | 27 |
| PWS Circuit Board (YK886B0) | 29 |
| 61H-MK Circuit Board (X2335D0) | 21 |
| 61L-MK Circuit Board (X2336C0) | 21 |
| | |

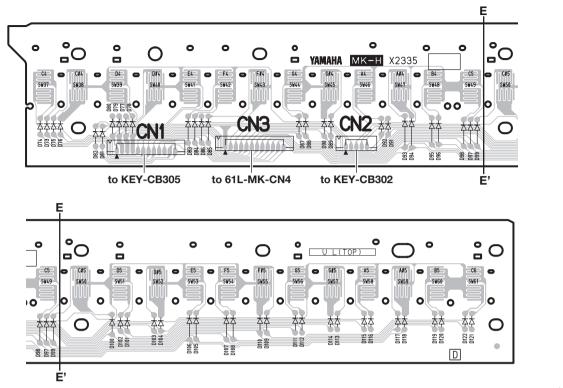
Note: See parts list for details of circuit board component parts.

注: シートの部品詳細はパーツリストをご参照ください。

JK Circuit Board

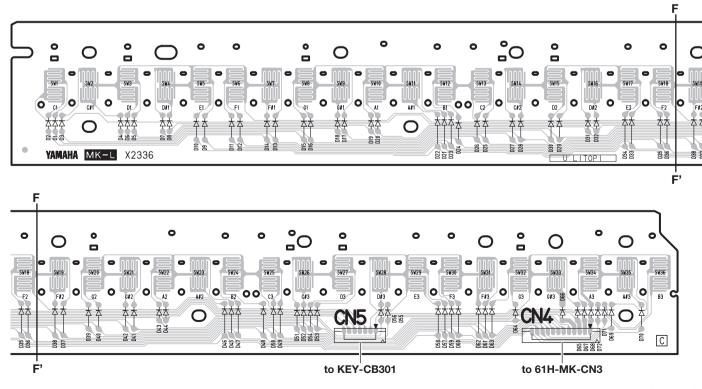


• 61H-MK Circuit Board



Component side (部品部)

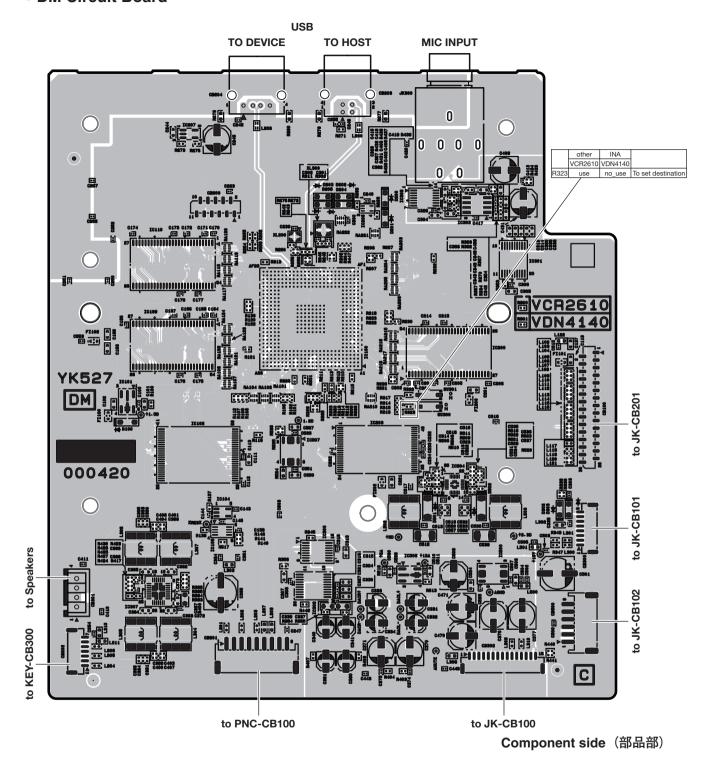
• 61L-MK Circuit Board



Component side (部品部)

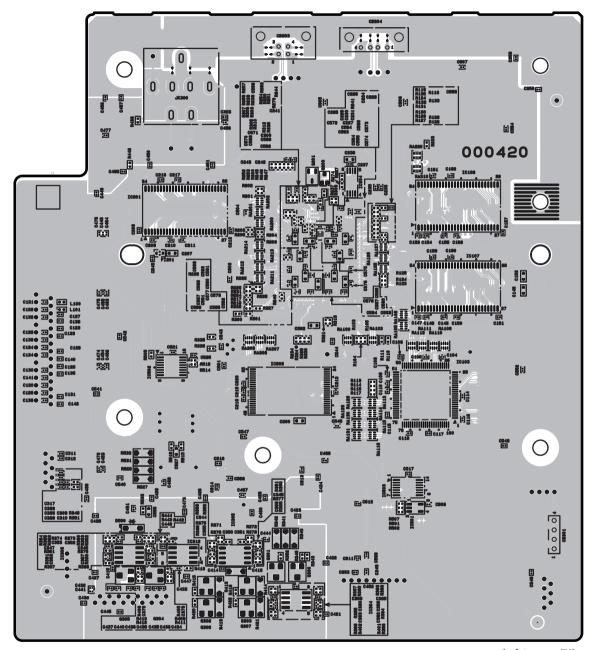
61H-MK: 2NAK8-V869540 61L-MK: 2NAK8-V869520 ↑

DM Circuit Board



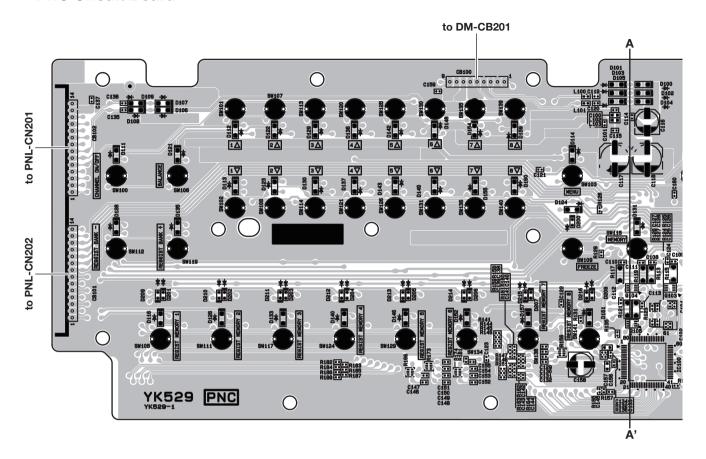
22 2NA-VCR26100<u>A</u>

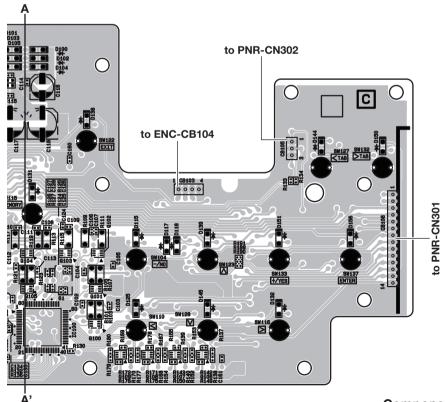
DM Circuit Board



Pattern side (パターン側)

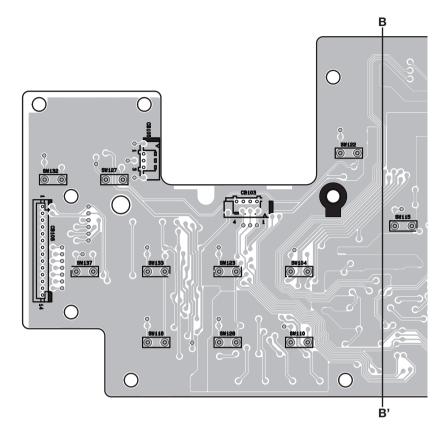
PNC Circuit Board

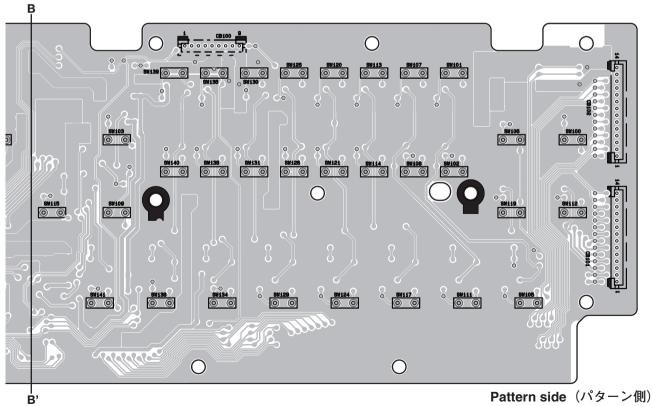




Component side(部品部)

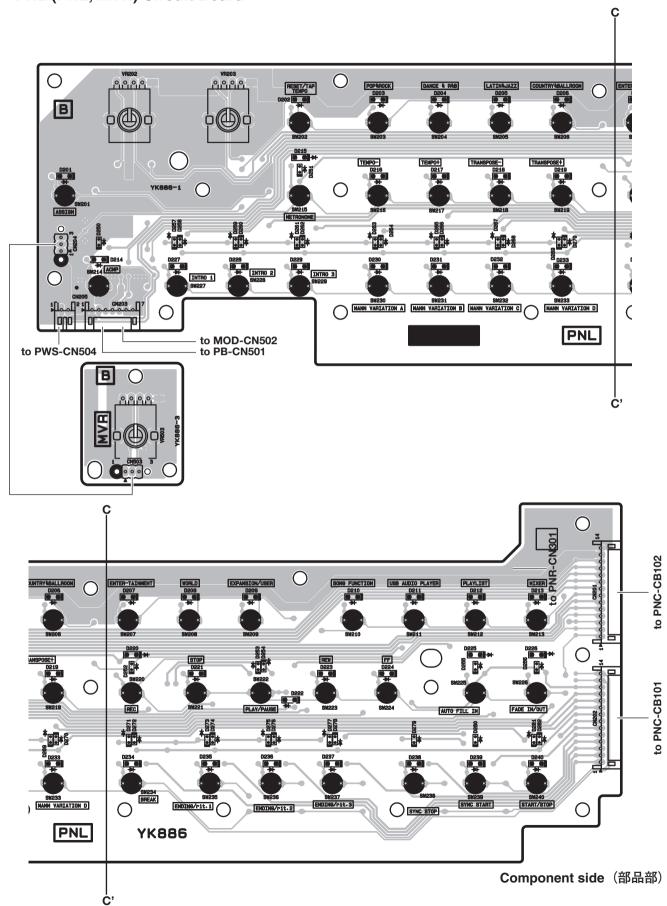
• PNC Circuit Board



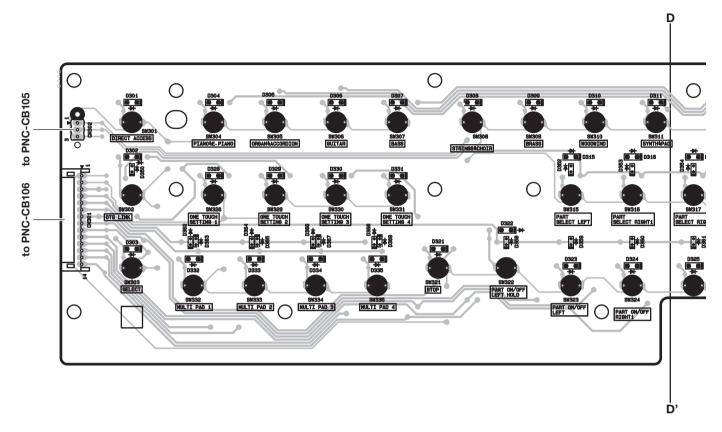


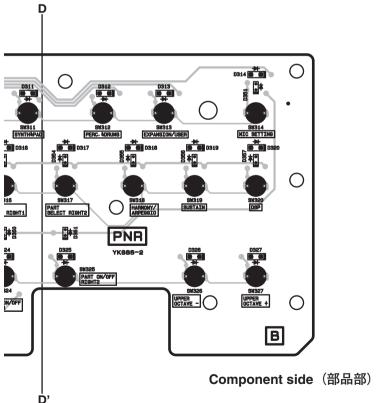
2NA-VCR2630<u></u> **⚠**

• PNL (PNL, MVR) Circuit Board



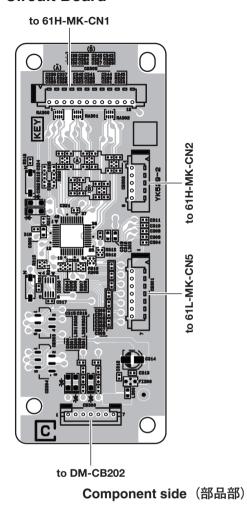
PNR Circuit Board

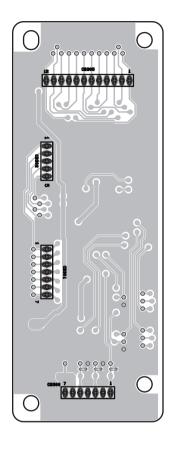




2NA-VDE57201

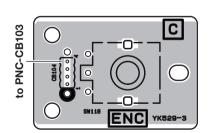
KEY Circuit Board



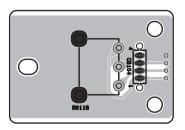


Pattern side (パターン側)

• ENC Circuit Board



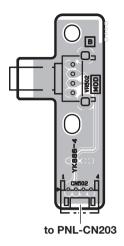
Component side (部品部)



Pattern side (パターン側)

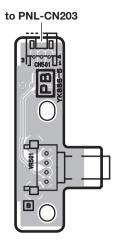
28 KEY,ENC : 2NA-VCR2630A

MOD Circuit Board



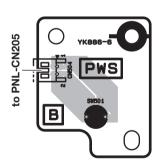
Component side(部品部)

● PB Circuit Board



Component side(部品部)

PWS Circuit Board



Component side(部品部)

MOD,PB,PWS: 2NA-VDE57201

TEST PROGRAM

* If you execute Test No. 048 Factory Set, the setting data and user data will be lost. Be sure to save these data for backup in advance. (See page 62.)

1 Measurement conditions

1-1. Environment

Perform tests under following conditions.

Ordinary temperature (5°Cto 40°C)

Ordinary humidity (20% to 90%)

If the test results deviate from the test standard range, however, re-test under such conditions as the ordinary temperature (5° C to 40° C) and ordinary humidity (30% to 90% relative humidity).

1-2. Power voltage

Use PA-300C for the AC adaptor.

The AC power should be 50Hz or 60Hz and the capacity should be 500VA or more.

The voltage should be $\pm 10\%$ of the rating voltage of the adaptor being used.

1-3. Measuring instruments

Make sure that the instruments used for inspections have enough accuracy and precision.

Use the instruments with more than 1M-ohms input impedance.

- Level meter or audio analyzer (using JIS-C filter)
- Frequency counter (should be capable of measuring to three places of decimals)

1-4. Test jig

Following jigs are required for testing.

- USB cable (A-B type)
- USB flash drive
- Foot controller (FC7)

1-5. Terminal condition

Unless otherwise specified, take measurement at the PHONES jack. (Use a stereo plug.)

PHONES: Install a measuring plug (L/R ch: 33-ohms load)

AUX IN: Install a measuring plug

OUTPUT [L/L+R]/[R]: Install a measuring plug (L/R ch: 10k-ohms load)

FOOT PEDAL [1]/[2]: Connect the foot controller (FC7)

1-6. Control condition

Unless otherwise specified, set control knobs as follows.

MASTER VOLUME : Max
PITCH BEND : Center
MODULATION : Min

Set others in the default state when the power is turned on.

1-7. Measurement unit

0 dBu = 0.775 Vrms

2 Test mode

2-1. Starting up Test mode

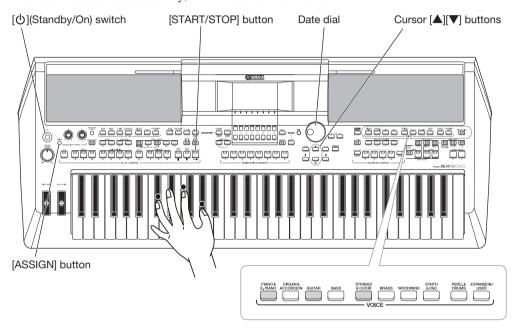
There are two methods to start up Test mode.

Method 1

- 1) While pressing keys [C#2], [F2], [G#2] (C#2 major chord) simultaneously, turn on the [Φ] (Standby/On) switch.
- 2) When Test mode started successfully, "**TEST**" is shown on the LCD.

Method 2

- 1) While pressing the buttons [PIANO & E.PIANO], [GUITAR] and [STRINGS & CHOIR] simultaneously, turn on the [\emptyset] (Standby/On) switch.
- 2) When Test mode started successfully, "**TEST**" is shown on the LCD.



2-2. Selection/execution of Test items

- 1) Select an item with the Cursor [▲][▼] buttons or Data dial.
- * When selecting a test item, the first item (No. 001) can be switched to the last item (No. 049) by pressing the Cursor [▲] button or turning the Data dial counterclockwise. Similarly, the last item (No. 049) can be returned to the first item (No. 001) by pressing the Cursor [▼] button or turning the Data dial clockwise.
- 2) Press the [START/STOP] button to execute the test item. For details, refer to the explanation page for each Test Program item.

2-3. If the test result shows "OK"

To return to the display of test item selection, press the [START/STOP] button.

* Test item the result of which was OK is shown with an asterisk (*) at the left of the name.

2-4. If the test result shows "NG"

To return to the display of test item selection, press the [ASSIGN] button or the lowest key.

3. Test Program List (dBu=dBm)

| LCD display | Test items and judging conditions |
|-------------------------|--|
| 001 : Version | Indicates the model name, designated country information and each ROM version (*.**). |
| | 1) Press the [START/STOP] button, the versions are shown on the LCD. |
| | Model Name: PSR-SX600 (x) |
| | Main ROM : * . * |
| | Wave ROM : * . * * |
| | |
| | Hardware ID: * * * * * * * * * * |
| | 2) Confirm the shwon on the LCD. |
| | x="OTH ": Other destination, x="INA ": For Indonesia |
| | Confirm that an 11 digit alphanumeric is shown. |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 002 : Memory Check1 All | Executes the simplified check of all the memories (test No. 003 to 006)at one time. |
| 002 . Memory Check i An | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK : OK |
| | NG : NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| | 3) Fless the [START/STOF] button to exit the TEST item. |
| | If the result is OK: tests No. 003 to 006 can be skipped. |
| | |
| 200 DOM OL . 14 | If the result is NG: the test stops when any problem is found. To check details, execute the test from No. |
| 003 : ROM Check1 | Executes the simplified check of the ROM connected to the CPU bus. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK: OK |
| | NG: NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 004 : RAM Check1 | Executes the simplified check of the RAM connected to the CPU bus. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK : OK |
| | NG : NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 005 : Wave ROM Check1 | Executes the simplified check of the Wave ROM. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK : OK |
| | NG: NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 006 : Wave RAM Check1 | Executes the simplified check of the Wave RAM. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK : OK |
| | NG: NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 007 : Effect RAM Check1 | Executes the simplified check of the Effect RAM. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm the test result. |
| | OK : OK |
| | NG : NG |
| | 3) Press the [START/STOP] button to exit the TEST item. |
| 008 : Pitch Check | Checks whether the output from this instrument is correct pitch or not. |
| | 1) Connect the frequency counter to the [PHONES] jack at either L or R. |
| | 2) Press the [START/STOP] button, the A3 sine wave sound is produced. |
| | 3) Confirm the frequency counter indication. |
| | $OK: 441.00 \pm 0.2Hz$ |
| | OR, 111.00 - 0.2112 |

| LCD display | Test items and judging conditions |
|-------------------------|--|
| 009 : Output R Check | Measures the signal output level from the R channel of each output terminal. |
| - | 1) Connect the level meter or audio analyzer to the output terminal to be measured. |
| | 2) Press the [START/STOP] button, the C5 sine wave sound is produced. |
| | 3) Confirm the output levels indicated on the level meter or audio analyzer. |
| | · [PHONES] jack (33Ω load) |
| | OK: L: $-50.0 \text{ dBu or less}$, R: $-6.0 \pm 2 \text{ dBu}$ |
| | · OUTPUT [L/L+R]/[R] jack ($10k\Omega$ load) |
| | OK: L/L+R: -65.0 dBu or less, R: -6.0 \pm 2 dBu |
| | * When disconnecting the plug from the OUTPUT [R] jack, the sound is produced from OUTPUT [L/ |
| | L+R] jack. * When disconnecting the plug from the [PHONES] jack, the sound is produced from the speaker. |
| | 5) Press the [START/STOP] button to stop the sound and to exit the TEST item. |
| 010 : Output L Check | Measures the signal output level from the L channel of each output terminal. |
| | 1) Connect the level meter or audio analyzer to the output terminal to be measured. |
| | 2) Press the [START/STOP] button, the C5 sine wave sound is produced. |
| | 3) Confirm the output levels indicated on the level meter or audio analyzer. |
| | · [PHONES] jack (33Ω load) |
| | OK: L: -6.0 ± 2 dBu, R: -50.0 dBu or less |
| | · OUTPUT [L/L+R]/[R] jack (10k Ω load) |
| | OK: L/L+R: -6.0 ± 2 dBu, R: -65.0 dBu or less |
| | * When disconnecting the plug from the [PHONES] jack, the sound is produced from the speaker. |
| | 5) Press the [START/STOP] button to stop the sound and to exit the TEST item. |
| 011 : SP MUTE Check | Checks whether the Speaker Mute of analog signals work properly or not. |
| | 1) Press the [START/STOP] button, the C5 sine wave sound is produced and " OFF " is shown on the |
| | LCD. |
| | 2) Press the cursor [▶] button, the SP MUTE circuit is activated and " ON " is shown on the LCD.Con- |
| | firm that the speakers are muted. |
| | 3) Press the cursor [◀] button, the SP MUTE circuit is deactivated and " OFF " is shown on the LCD. |
| | Confirm that muting of the speakers are cancelled. |
| | 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. |
| | Caution: |
| | While this test is executed, connection/disconnection of the headphone is not detected. (Sound comes out |
| | of the speaker even if the headphone is connected.) |
| 012 : MUTE Check | Checks whether the MUTE of analog signals works properly or not. |
| | 1) Press the [START/STOP] button, the C5 sine wave sound is produced and " OFF " is shown on the |
| | LCD. |
| | 2) Press the cursor [▶] button, the muting circuit is activated and " ON " is shown on the LCD. |
| | Confirm that the speakers and all output jacks ([PHONES], OUTPUT [L/L+R]/[R]) are muted. |
| | 3) Press the cursor [◀] button, the muting circuit is deactivated and " OFF " is shown on the LCD. |
| | Confirm that muting of the speakers and all output terminals are cancelled. |
| | 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. |
| | Caution: |
| | When checking the output of the speakers, do not insert any plug to the [PHONES] jack. |
| 013 : Emergency Circuit | Checks whether the Fail-Safe Circuit for digital volume control works properly or not. |
| Check | 1) Press the [START/STOP] button, the A3 sine wave sound is produced and " OFF " is shown on the |
| | LCD. |
| | 2) Press the cursor [▶] button, the Fail-Safe Circuit function is activated and " ON " is shown on the |
| | LCD. |
| | Confirm that the speakers and all output jacks ([PHONES], OUTPUT [L/L+R]/[R])are muted. |
| | 3) Press the cursor [◀] button, the Fail-Safe Circuit function is deactivated and " OFF " is shown on the |
| | LCD. |
| | Confirm that muting of the speakers and all output terminals are cancelled. |
| | When the Fail-Safe Circuit is not detected, " NG " is shown on the LCD. |
| | 4) Press the [START/STOP] button to stop the sound and to exit the TEST item. |
| | Caution: |
| | When checking the output of the speakers, do not insert any plug to the [PHONES] jack. |

| 1. Press the ISTARTSTOP] button, and "Not Inserted" is shown on the LCD. 2. Connect the plug to the [AUX IN] jack, and "Inserted" is shown on the LCD. Confirm whether an input sound to the [AUX IN] jack is produced from OUTPUT [L/L+R]/[R], PHONES] jacks and speakers properly (Check whether there is no noise or strange sound). 3. Disconnect the plug, "Not Inserted" is shown on the LCD. 4. Press the [STARTSTOP] button to exit the TEST item. Checks whether the fluck INPUT] jack work properly or not. 1. Connect the level meter or audio analyzer to OUTPUT [L/L+R]/[R], jacks. 2. Press the [STARTSTOP] button, and "MUTE": OF". Not Inserted" are shown on the LCD. 3. Connect the plug to the [MIC INPUT] jack, "inserted" is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [L/L+R]/[R], PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4. Disconnect the plug to the [MIC INPUT] jack, "inserted" is shown on the LCD. 5. Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dSn) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBn 6. Press the cursor [**] button, "MUTE": ON" is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is mutted. 7. Press the cursor [**] button, "MUTE": ON" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8. Press the User [4] button, the muting circuit is deactivated and "MUTE": OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 9. Press the user [4] button, the miting circuit is deactivated and "MUTE": OFF" is shown on the LCD. 1. Press the ISTARTSTOP] button, "Push button have or is shown on the LCD, the sine wave sound is produced with the prich assigned to the pressed hutton, and the LED lump lights if available. For information about the prich assigned to each button and the LED lump lights if available. For information about the prich assigned to each button and the LED lump l | LCD display | Test items and judging conditions |
|--|---------------------|--|
| 2) Connect the plug to the [AUX IN] jack, and "Inserted" is shown on the LCD. Confirm whether an input sound to the [AUX IN] jack is produced from OUTPUT [LL+R]/[R]. [PHONES] jacks and speakers properly (Check whether there is no noise or strange sound). 3) Disconnect the plug, "Not Inserted" is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST tiem. Checks whether the [MIC INPUT] jack work properly or not. 1) Connect the level meter or audio analyzer to OUTPUT [I_L+R]/[R] jacks. 2) Press the [START/STOP] button, and "MUTE: OFF". Not Inserted" as shown on the LCD. 3) Connect the plug to the [MIC INPUT] jack. Inserted" is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [LL+R]/[R]. [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug, "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is imputed their [MIC INPUT] jack. OK: ±2.5 ± 2 dBu 6) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/[R] jacks is muted. 7) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that multing of the OUTPUT [LL+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button, "Pust button name" is shown on the LCD. 2) Press the [START/STOP] button, "Pust button name" is shown on the LCD. 2) Press the START/STOP] button, "Pust button name" is shown on the LCD. 4) Press the button specified on the LCD. "button name" is shown on the LCD. 5) Turn the data dial in the own direction (to the left). "District of the push button to be pressed button, and the LED lamp lights if available. For information about the pitch assigned to be pressed button and the LED color, refer to pages 40. 4) Press the button specified on the LCD on by one. When all the button, the name of the push button to be pressed tox is shown on the LCD. 5) Turn the data dial in the optimization (t | 014 : AUX-IN Check | Checks whether the [AUX IN] jack work properly or not. |
| Confirm whether an input sound to the [AUX IN] jack is produced from OUTPUT [LL-R]/[R], [PHONES] jacks and speakers properly (Check whether there is no noise or strange sound). 3) Disconnect the plug. "Not Inserted" is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item. 1) Connect the level meter or audio analyzer to OUTPUT [LL+R]/[R] jacks. 2) Press the [START/STOP] button, and "MUTE: OFF," Not Inserted" are shown on the LCD. 3) Commet the plug to the [MIC INPUT] jack, "Inserted" is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [LL+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug. "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is imputed into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [♠] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/[R] jacks is muted. 7) Press the cursor [♠] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [LL+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Other (SEX) whether each panel button with its LED (if available) works properly or not. 1) Press the letton specified on the LCD. "button name on" is shown on the LCD. 2) Press the button specified on the LCD. "button name on" is shown on the LCD. 1) Press the button specified on the LCD. "button name on" is shown on the LCD. 1) Press the button specified on the LCD. "button name on" is shown on the LCD. 1) Press the button specified on the LCD. "button name on" is shown on the LCD. 1) Press the [START/STOP] button, the name of the push button to be pressed each is shown on the LCD. 1) Press the [START/STOP] button to exit the TEST item. 1) Press the [START/STOP] button is wring, the following indication will be shown on the LCD. 1) To di | | 1) Press the [START/STOP] button, and "Not Inserted" is shown on the LCD. |
| PHONES] jacks and speakers properly (Check whether there is no noise or strange sound). 3) Disconnect the plug. Not Inserted* is shown on the LCD. 4) Press the [START/STOP] button to exit the TEST item. 50 Checks whether the [MIC INPUT] jack work properly or not. 1) Connect the level meter or audio analyzer to OUTPUT [I_LI+R]/[R] jacks. 2) Press the [START/STOP] button, and "MUTE: OFF", Not Inserted* as shown on the LCD. 3) Connect the plug to the [MIC INPUT] jack. Therefed* is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [LL+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug. "Not Inserted* is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is imputed into [MIC INPUT] jack. OK: -2.5 ± 2 dBu 6) Press the cursor [4] Dutton, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/[R] jacks is muted. 7) Press the cursor [4] Dutton, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [LL+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to texit the TEST item. Othecks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the START/STOP] button, Push button name On' is shown on the LCD, and the push button approach of the push button and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 1) Press the button specified on the LCD one by one. 1) Press the InstART/STOP] button to exit the TEST item. 2) **When the pressed button is wrong, the following indication wi | | 2) Connect the plug to the [AUX IN] jack, and " Inserted " is shown on the LCD. |
| 3) Disconnect the plug. "Not Inserted" is shown on the LCD. 4) Press the [STARTISTOP] button to exit the TEST item. Checks whether the [MIC INPUT] jack work properly or not. 1) Connect the level meter or audio analyzer to OUTPUT [IL1+R]/[R] jacks. 2) Press the [STARTISTOP] button, and "MUTE: OFF," Not Inserted" are shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack, shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [IL1+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug. "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBi) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBi 6) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [IL1+R]/[R] jacks is muted. 7) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that mutting of the OUTPUT [IL1+R]/[R] jacks is cancelled. 8) Press the [STARTISTOP] button, "Push button name" is shown on the LCD. Confirm that mutting of the OUTPUT [IL1+R]/[R] jacks is cancelled. 8) Press the [STARTISTOP] button, "Push button name" is shown on the LCD. 2) Press the [STARTISTOP] button, "Push button name" is shown on the LCD. 3) Release the button specified on the LCD. "button name" is shown on the LCD. 4) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to the pressed button and the LED color, refer to pages 40, 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the button specified to the LCD one by one. When all the buttons are finished, "Dial DWIN 50" is shown on the LCD. 7) Press the [STARTISTOP] button to exit the TE | | |
| 4) Press the [START/STOP] button to exit the TEST item. | | |
| Checks whether the [MIC INPUT] jack work properly or not. 1) Connect the level meter or audio analyzer to OUTPUT [L/L+R]/[R] jacks. 2) Press the [START/STOP] button, and 'MUTE': OFF'. Not Inserted' are shown on the LCD. 3) Connect the plug to the [MIC INPUT] jack, 'Inserted' is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [L/L+R]/[R]. [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug. 'Not Inserted' is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into [MIC INPUT] jack. (Act +2.5 ± 2 dBu) 6) Press the cursor [▶] button. 'MUTE: ON' is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [▶] button. the muting circuit is deactivated and 'MUTE: OFF' is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the button specified on the LCD. 'button name' is shown on the LCD. 2) Press the button specified on the LCD. 'button name On' is shown on the LCD. 2) Press the button specified on the LCD. 'button name On' is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished. 'Dial DOWN 50' is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished. 'Dial DOWN 50' is shown on the LCD. 5) Turn the data dial in the down direction (to the right). **End' is shown on the LCD. 7) Press the [START/STOP] button to exit the 'TEST item. **When the pressed button is wrong, the following indication will be shown on the LCD. **To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button checky. **To discontinue checking, press the lowest | | |
| 1) Connect the level meter or audio analyzer to OUTPUT [LL+R]/[R] jacks. 2) Press the [START/STOP] button, and "MUTE: OFF," Not Inserted" are shown on the LCD. 3) Connect the plug to the [MIC INPUT] jack. Inserted" is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [LL+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug, "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (40 dBu) is inputed into [MIC INPUT] jack. OK: 42.5 ± 2 dBu 6) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/[R] jacks is muted. 7) Press the cursor [♣] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [LL+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the "TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED (almp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the up direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the left). "Dial UP 0" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. • "When the pressed button is wrong, the following indication will be shown on the LCD. • "Note (Ith assistance)" is shown on the LCD. • "Ore Two Sw" when two | | |
| 2.) Press the [START/STOP] button, and "MUTE: OFF", 'Not Inserted' are shown on the LCD. 3) Connect the plug to the [MIC INPUT] jack, 'Inserted' is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [LL+R]/IR], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug, "Not Inserted' is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/IR] jacks is muted. 7) Press the cursor [♠] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [LL+R]/IR] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. 1016: SW, LED Check 11. Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. 'button name On' is shown on the LCD, the sine wave sound is produced with the pitch assigned to each button and the LED blamp lights if available. For information about the pitch assigned to each button and the LED bamp lights if available. For information about the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished. "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the diorection (to the left). "Dial UP 0" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. "When the pressed button is wrong, the following indication will be shown on the LCD. "No [the name for the pressed switch] On" when you press the button different from the one spe | 015 : MIC Check | |
| 3) Connect the plug to the [MIC INPUT] jack, 'Inserted' is shown on the LCD. Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [L/L+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug, 'Not Inserted' is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [▶] button, 'MUTE: ON' is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [▶] button, the muting circuit is deactivated and 'MUTE: OFF' is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, 'Push button name' is shown on the LCD. 2) Press the button specified on the LCD. 'button name on' is shown on the LCD. 3) Release the button specified on the LCD button name on' is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished. 'Dial DOWN 50' is shown on the LCD. 5) Turn the data dial in the down direction (to the left). 'Dial UP 0' is shown on the LCD. 6) Turn the data dial in the down direction (to the left). 'End' is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. *"Out Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button to exit the TEST item. *To discontinue checking, press the lowest key or press the [Lassign] button. (effective only after the [ASSIGN] button to exit the TEST item and all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or n | | • |
| Confirm whether an input sound to the [MIC INPUT] jack is produced from OUTPUT [L/L+R]/[R], [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug, "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [♣] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED lamp lights if available. For information about the pitch assigned to each button to the pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP O" is shown on the LCD. 6) Turn the data dial in the updirection (to the right). "End" is shown on the LCD. • "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "NG the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "Out Two Swi" when two or more buttons are pressed. * To discontinue checking, press the lowest key or press the [ASSIGN] button, (effective only after the [ASSIGN] button check) Checks whether all t | | |
| [PHONES] jacks and speakers properly (Confirm whether there is no noise or strange sound). 4) Disconnect the plug. "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 0) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LJL+R]/[R] jacks is muted. 7) Press the cursor [♠] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [LJL+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD. the sine wave sound is produced with the pitch assigned to ace hbutton and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished. "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. "When the pressed button is wrong, the following indication will be shown on the LCD. *"Over Two Sw" when two or more buttons are pressed. "To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button theck) 1017: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the TLED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Pre | | |
| 4) Disconnect the plug, "Not Inserted" is shown on the LCD. 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (-40 dBu) is inputted into (MIC INPUT) jack. OK: +2.5 ± 2 dBu 6) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [IL1-R]/[R] jacks is muted. 7) Press the cursor [♣] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [IL1-R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, 'Dial DOWN 50' is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0' is shown on the LCD. 6) Turn the data dial in the up direction (to the left). "Dial UP 0' is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the tollowing indication will be shown on the LCD. • "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) D17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned of | | |
| 5) Confirm the output levels indicated on the level meter or audio analyzer when the 1 kHz sine wave (.40 dBu) is inputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [♣] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [♣] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the START/STOP] button, "public button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD. 3) Release the button, the name of the push button to be pressed button, and the LED lamp lights if available. For information about the pitch assigned to the pressed button, and the LED con. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the own direction (to the right). "End" is shown on the LCD. 7) Press the ETXART/STOP button to exit the TEST item. "When the pressed button is wrong, the following indication will be shown on the LCD. "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "Ode Two Sw" when two or more buttons are pressed. To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the LED lamps | | |
| (-40 dBu) is imputted into [MIC INPUT] jack. OK: +2.5 ± 2 dBu 6) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [♠] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. 'Dutton name on" is shown on the LCD, the sine wave sound is produced with the pitch assigned to each button and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the left). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. "When the pressed button is wrong, the following indication will be shown on the LCD. "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light, 3) Press the [START/STOP] button to exit the TEST item and all th | | |
| OK: +2.5 ± 2 dBu 6) Press the cursor ▶ button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [LL+R]/[R] jacks is muted. 7) Press the cursor ▶ button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name" is shown on the LCD. the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED lamp lights if available. For information about the pitch assigned to each button and the LED lamp lights if available. For information about the pitch assigned to the pressed button, and the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the right). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. *"When the pressed button is wrong, the following indication will be shown on the LCD. *"Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) D17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 1) Press the [START/ | | |
| 6) Press the cursor [▶] button, "MUTE: ON" is shown on the LCD. Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [◀] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data daia in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data daia in the UCD. 7) Press the [START/STOP] button to exit the TEST item. "When the pressed button is wrong, the following indication will be shown on the LCD. *"NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "Over Two Sw" when two or more buttons are pressed. "To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button, all the TeST item and all the LED lamps are turned off. Checks whether all the red LED lamps light. 3) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the bute LED lamps light. | | |
| Confirm that the OUTPUT [L/L+R]/[R] jacks is muted. 7) Press the cursor [◀] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the right). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. *"NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. *"Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the Pub LED lamps light. 3) Press the [START/STOP] butto | | |
| 7) Press the cursor [◀] button, the muting circuit is deactivated and "MUTE: OFF" is shown on the LCD. Confirm that muting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to each button and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the right). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. • "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the bed LED lamps light properly or not. 1) Press the [START/STOP] b | | |
| LCD. Confirm that mutting of the OUTPUT [L/L+R]/[R] jacks is cancelled. 8) Press the [START/STOP] button to exit the TEST item. Checks whether each panel button with its LED (if available) works properly or not. 1) Press the [START/STOP] button, "Push button name" is shown on the LCD. 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED tamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the right). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. • "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) D17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the rEST item and all the LED lamps are turned off. Checks whether all the ed LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. | | · · |
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| 2) Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 40. 3) Release the button, the name of the push button to be pressed next is shown on the LCD. 4) Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. 5) Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. 6) Turn the data dial in the up direction (to the right). "End" is shown on the LCD. 7) Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "Ouer Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) D17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light, Test item and all the LED lamps are turned off. Checks whether all the red LED lamps light to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light. 3) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the but LED lamps light properly or not. 1) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. | OIG: SW, LED Check | |
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| • "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. • "Over Two Sw" when two or more buttons are pressed. * To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) O17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| specified on the LCD. "Over Two Sw" when two or more buttons are pressed. * To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| • "Over Two Sw" when two or more buttons are pressed. * To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| * To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| O17: All LED On Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| Checks whether all the LED lamps light properly or not. 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| 1) Press the [START/STOP] button, all the LED lamps are turned on and "" is shown on the LCD. 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | 017 · All I FD On | |
| 2) Confirm that all the LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | OTT TAIL LLD OIL | |
| 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| Checks whether all the red LED lamps light properly or not. 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| 1) Press the [START/STOP] button, all the red LED lamps are turned on, and "" is shown on the LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | 018 : Red LED On | |
| LCD. 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| 2) Confirm that all the red LED lamps light. 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| Checks whether all the blue LED lamps light properly or not. 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | | |
| 1) Press the [START/STOP] button, all the blue LED lamps are turned on, and "" is shown on the LCD. | 020 : Blue LED On | |
| LCD. | | |
| | | |
| 2) Confirm that all the blue LED lamps light. | | 2) Confirm that all the blue LED lamps light. |
| 3) Press the [START/STOP] button to exit the TEST item and all the LED lamps are turned off. | | |

| LCD display | Test items and judging conditions |
|------------------------------|--|
| 021 : All LCD On | Checks whether all the LCD dots are turned on (black) properly or not. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm that all the dots of the LCD are turned on (black). |
| | 3) Press the [START/STOP] button to exit the TEST item, the LCD indication returns to the normal |
| | status. |
| 022 : All LCD Off | Checks whether all the LCD dots are turned off (white) properly or not. |
| | 1) Press the [START/STOP] button. |
| | 2) Confirm that all the dots of the LCD are turned off (white). |
| | 3) Press the [START/STOP] button to exit the TEST item, the LCD indication returns to the normal |
| 023 : LCD Pattern Check | status. Checks whether the LCD has no color unevenness or not. |
| 023 . LOD Pattern Check | 1) Press the [START/STOP] button, the Crosstalk screen is shown on the LCD. |
| | 2) Confirm LCD has no color unevenness. |
| | The display pattern can be changed with cursor [4] [1] buttons. |
| | 3) Press the [START/STOP] button to exit the TEST item, the LCD indication returns to the normal |
| | status. |
| 024 : LCD Backlight Off | Checks whether the LCD backlight is turned on / off properly or not. |
| Check | 1) Press the [START/STOP] button, the LCD backlight is turned off. |
| | 2) Press one of the cursor [◀] [▶] buttons, the LCD backlight is turned on and " ON " is shown on the |
| | LCD. |
| | Confirm LCD backlight can be switched on / off with the cursor [◀] [▶] buttons. |
| | 3) Press the [START/STOP] button to exit the TEST item, the LCD indication returns to the normal |
| | status. |
| 025 : LCD Mounting | Checks the mounting position of the LCD is correct or not. |
| Position Check | 1) Press the [START/STOP] button, the confirmation image for mounting position is shown on the |
| | LCD. 2) Confirm that a white frame is visible around the LCD when viewed from the front. |
| | 3) Press the [START/STOP] button to exit the TEST item, and the LCD indication returns to the nor- |
| | mal status. |
| 026 : Main Volume | Checks whether the MASTER VOLUME control works properly or not. |
| Check | 1) Press the [START/STOP] button, and "Main Volume MIN xx" is shown on the LCD. |
| | xx=0 to 255 |
| | 2) Set the [MASTER VOLUME] control to the minimum position. |
| | As the dial is moved, the value (0 to 255) is shown on the LCD. |
| | When the minimum value is detected, "Main Volume MAX 0" is shown on the LCD. |
| | 3) Set the [MASTER VOLUME] control to the maximum position. |
| | When the maximum value is detected, " OK 255 " is shown on the LCD. |
| 027 : Ditch Bond Wheel | 4) Press the [START/STOP] button to exit the TEST item. |
| 027 : Pitch Bend Wheel Check | Checks whether the PITCH BEND wheel control works properly or not. 1) Press the [START/STOP] button, and "Pitch Bend Up 128" is shown on the LCD. |
| Olleck | 2) Set the [PITCH BEND] wheel to the maximum position, the G3 sound is produced for a second and |
| | "Pitch Bend Down 255" is shown on the LCD. |
| | 3) Set the [PITCH BEND] wheel to the minimum position, the C3 sound is produced for a second and |
| | "Pitch Bend Center 0" is shown on the LCD. |
| | 4) Set the [PITCH BEND] wheel to the center position, the C4 sound is produced for a second and " OK |
| | 128 " is shown on the LCD. |
| | 5) Press the [START/STOP] button to exit the TEST item. |
| 028 : Modulation Wheel | Checks whether the MODULATION Wheel control works properly or not. |
| Check | 1) Press the [START/STOP] button, and " Modulation Up xx " is shown on the LCD. |
| | xx=0 to 255 |
| | 2) Set the [MODULATION] wheel to the maximum position, the G3 sound is produced for a second |
| | and "Modulation Down 255" is shown on the LCD. |
| | 3) Set the [MODULATION] wheel to the minimum position, the C4 sound is produced for a second and " OK " is shown on the LCD. |
| | and OK is snown on the LCD. 4) Press the [START/STOP] button to exit the TEST item. |
| | 7/11000 the [STAK1/STOT] button to CAR the TEST Refit. |

| LCD display | Test items and judging conditions |
|---------------------|--|
| 029 : Knob Check | Checks whether the LIVE CONTROL [1]/[2] knobs works properly or not. |
| | 1) Press the [START/STOP] button, and " Knob 1 MIN (xx) " is shown on the LCD. |
| | xx=0 to 255 |
| | 2) Set the LIVE CONTROL [1] knob to the minimum position. |
| | As the dial is moved, the value (0 to 255) is shown on the LCD. |
| | When the minimum value is detected, the G3 sound is produced for a second and "Knob 1 MAX (0)" |
| | is shown on the LCD. |
| | 3) Set the LIVE CONTROL [1] knob to the maximum position. |
| | When the maximum value is detected, the C3 sound is produced for a second and " Knob 1 Center (255)" is shown on the LCD. |
| | 4) Set the LIVE CONTROL [1] knob to the center position. |
| | When the center value is detected, the C4 sound is produced for a second and " Knob 2 MIN (128) " is shown on the LCD. |
| | 5) Set the LIVE CONTROL [2] knob to the minimum position. |
| | When the minimum value is detected, the G3 sound is produced for a second and " Knob 2 MAX (0) " |
| | is shown on the LCD. |
| | 6) Set the LIVE CONTROL [2] knob to the maximum position. |
| | When the maximum value is detected, the C3 sound is produced for a second and " Knob 2 Center |
| | (255) " is shown on the LCD. |
| | 7) Set the LIVE CONTROL [2] knob to the center position. |
| | When the center value is detected, the C4 sound is produced for a second and "OK" is shown on the |
| | LCD. |
| | 8) Press the [START/STOP] button to exit the TEST item. |
| 034 : Pedal1 Check | Checks whether the Foot Pedal plugged into FOOT PEDAL [1] jack works properly or not. |
| | 1) Connect the foot pedal (FC7) to FOOT PEDAL [1] jack. |
| | 2) Press the [START/STOP] button, " Pedal1 MAX " is shown on the LCD. |
| | When the pedal is not detected, " No Pedal " is shown on the LCD. |
| | 3) Press the pedal to the maximum position, the C3 sound is produced for a second and "Pedal1 MIN" |
| | is shown on the LCD. |
| | 4) Press the pedal to the minimum position, the G3 sound is produced for a second and " Pedal1 OUT " |
| | is shown on the LCD. |
| | 5) Disconnect the pedal from the FOOT PEDAL [1] jack, the C4 sound is produced for a second and |
| | " OK " is shown on the LCD. |
| | 6) Press the [START/STOP] button to exit the TEST item. |
| 035 : Pedal2 Check | Checks whether the Foot Pedal plugged into FOOT PEDAL [2] jack works properly or not. |
| | 1) Connect the foot pedal (FC7) to FOOT PEDAL [2] jack. |
| | 2) Press the [START/STOP] button, " Pedal2 MAX " is shown on the LCD. |
| | When the pedal is not detected, " No Pedal " is shown on the LCD. |
| | 3) Press the pedal to the maximum position, the C3 sound is produced for a second and " Pedal2 MIN " |
| | is shown on the LCD. |
| | 4) Press the pedal to the minimum position, the G3 sound is produced for a second and " Pedal2 OUT " |
| | is shown on the LCD. |
| | 5) Disconnect the pedal from the FOOT PEDAL [2] jack, the C4 sound is produced for a second and |
| | "OK" is shown on the LCD. |
| 007 - 1100 +- 0 | 6) Press the [START/STOP] button to exit the TEST item. |
| 037 : USB to Device | Checks whether the [USB TO DEVICE] and [USB TO HOST] terminals work properly or not. |
| /Host Check | 1) Press the [START/STOP] button, "Connect Device-Host" is shown on the LCD. 2) Connect the USB cable to the [USB TO DEVICE] terminal and [USB TO HOST] terminal, the C4 |
| | |
| | sound is produced for a second and " OK " is shown on the LCD. 3) Press the [START/STOP] button to exit the TEST item. |
| | |
| | 4) Disconnect the USB cable. |

| Checks whether or not the instrument can access the USB memory device connected to the DEVICE] terminal. 1) Insert the USB flash drive and press the [START/STOP] button. 2) Confirm that "OK" is shown on the LCD. When no media is inserted, "NO DISK" will be displayed. When the media is unformatted, "UNFORMAT DISK" will be displayed. | EUSB TO |
|---|----------|
| DEVICE] terminal. 1) Insert the USB flash drive and press the [START/STOP] button. 2) Confirm that "OK" is shown on the LCD. When no media is inserted, "NO DISK" will be displayed. | |
| Insert the USB flash drive and press the [START/STOP] button. Confirm that "OK" is shown on the LCD. When no media is inserted, "NO DISK" will be displayed. | |
| When no media is inserted, "NO DISK" will be displayed. | |
| | |
| When the media is unformatted, " UNFORMAT DISK " will be displayed. | |
| | |
| When the media is protected, " PROTECT DISK " will be displayed. | |
| When failed in reading/writing, " NG " will be displayed. | |
| 3) Press the [START/STOP] button to exit the TEST item. | |
| 4) Disconnect the USB flash drive. | |
| 039 : Keyboard Type Checks whether this instrument can recognize the keyboard type correctly or not. | |
| Check 1) Press the [START/STOP] button. | |
| 2) Confirm that " OK (16N61)" is shown on the LCD. | |
| 3) Press the [START/STOP] button to exit the TEST item. | |
| 040 : 1-2Make Check Checks 1-2Make for each key being pressed. | |
| 1) Press the [START/STOP] button. | |
| 2) Press any key so that velocity calculated by the 1-2 Make is detected then " Note: ## 1-2 | MakeVel: |
| **" are shown on the LCD. The sound is output with a velocity calculated by the 1-2Make. | |
| ## : Note No. of pressed key ** : Velocity | |
| The value ** varies depending on the velocity with which the key is pressed. | |
| 3) Release the key, " OK " is displayed on the LCD. | |
| 4) Press the [START/STOP] button to exit the TEST item. | |
| 041 : ROM Check2 Executes the complete check of the ROM. (It will take about 6 seconds.) | |
| 1) Press the [START/STOP] button. | |
| 2) Confirm the test result. | |
| OK: OK | |
| NG: NG | |
| 3) Press the [START/STOP] button to exit the TEST item. | |
| 042 : Wave ROM Executes the complete check of the Wave ROM. (It will take about 1 minutes 50 seconds.) | |
| Check2 1) Press the [START/STOP] button. | |
| 2) Confirm the test result. | |
| OK: OK | |
| NG: NG | |
| 3) Press the [START/STOP] button to exit the TEST item. | |
| 043 : Wave RAM Executes the complete check of the Wave RAM (It will take about 24 seconds.) | |
| Check2 1) Press the [START/STOP] button. | |
| 2) Confirm the test result. | |
| OK: OK | |
| NG: NG | |
| 3) Press the [START/STOP] button to exit the TEST item. | |
| 044 : Effect RAM Executes the complete check of the Effect RAM . (It will take about 32 seconds.) | |
| | |
| Check2 1) Press the [START/STOP] button. 2) Confirm the test result. | |
| OK: OK | |
| NG: NG | |
| 3) Press the [START/STOP] button to exit the TEST item. | |

| LCD display | Test items and judging conditions |
|-------------------|---|
| 045 : Panel PCB | (PNC circuit board) Checks whether each panel button with its LED (if available) works properly or |
| Check 1 | not. |
| | Press the [START/STOP] button, "Push button name" is shown on the LCD. Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 41. Release the button, the name of the push button to be pressed next is shown on the LCD. Press the button specified on the LCD one by one. When all the buttons are finished, "Dial DOWN 50" is shown on the LCD. Turn the data dial in the down direction (to the left). "Dial UP 0" is shown on the LCD. Turn the data dial in the up direction (to the right). "End" is shown on the LCD. Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective) |
| | only after the [ASSIGN] button check) |
| 046 : Panel PCB | (PNR and PNL circuit boards) Checks whether each panel button with its LED (if available) works prop- |
| Check 2 | erly or not. |
| | Press the [START/STOP] button, "Push button name" is shown on the LCD. Press the button specified on the LCD. "button name On" is shown on the LCD, the sine wave sound is produced with the pitch assigned to the pressed button, and the LED lamp lights if available. For information about the pitch assigned to each button and the LED color, refer to pages 41. Release the button, the name of the push button to be pressed next is shown on the LCD. Press the button specified on the LCD one by one. When all the buttons are finished, "End" is shown on the LCD. Press the [START/STOP] button to exit the TEST item. *When the pressed button is wrong, the following indication will be shown on the LCD. "NG [the name for the pressed switch] On" when you press the button different from the one specified on the LCD. "Over Two Sw" when two or more buttons are pressed. *To discontinue checking, press the lowest key or press the [ASSIGN] button. (effective only after the [ASSIGN] button check) |
| 048 : Factory Set | To initialize all the backup areas to restore factory default. The actual Factory Set has not been executed yet at this timing, but will be executed next time the power is turned on. Caution: Note that all user data will be cleared. Before executing the factory reset procedure, be sure to save the important data as a backup in the USB flash drive. (Refer to page 62) 1) Press the [START/STOP] button, "OK" is shown on the LCD. 2) Press the [START/STOP] button to exit the TEST item. * When the power is turned on next time, "Force Format Mode" is shown on the LCD. |
| | and the instrument return to the Normal mode. Never turn off the power until the Main display appears. Doing so may cause a malfunction. (It will take about 15 seconds.) |
| 049 : Test Exit | Lets you exit from the Test mode to the Normal mode. 1) Press the [START/STOP] button. The Test mode will end, then the instrument will be restarted. 2) After restarting, the main screen is displayed and the instrument return to the Normal mode. * Never turn off the power until the Main display appears. |

4. Inspections of the others

4-1. AUX IN

Take measurement with the Test Program [014: AUX-IN Check] selected.

Check that each terminal output is as shown in the table below when a signal is inputted into AUX IN.

| | OUTPUT | OUTPUT (1 | 0 kΩ load) |
|------------------------------------|---------------|-------------------|-------------------|
| INPUT | | L | R |
| AUX IN L: Sine wave (1 kHz, 0 dBu) | | +7.3 ± 2 dBu | -50.0 dBu or less |
| AUX IN R: No input | | +7.3 ± 2 dbu | -50.0 dBd of less |
| AUX IN L: No input | | -50.0 dBu or less | .72 ± 2 dPu |
| AUX IN R: Sine wave (| 1 kHz, 0 dBu) | -50.0 dbd of less | +1.3 ± 2 UDU |

4-2. Noise Level Check

- 1) Do not connect anything to the [AUX IN], [MIC INPUT] jacks.
- 2) Connect the level meter or audio analyzer (using the JIS-C filter) to the [PHONES], OUTPUT [L/L+R]/[R] jacks.
- 3) Turn the master volume to the maximum position.
- 4) Measure the output voltage and confirm that the measured values are within specification as follows:

[PHONES]

L: -90.0 dBu or less

R: -90.0 dBu or less

OUTPUT [L/L+R]/[R]

L/L+R: -86.0 dBu or less

R: -86.0 dBu or less

Switch Test Sequence

| Γurn | Panel SW Name | LED made to turn on | Note N |
|------|----------------------------|--|-----------|
| | RESET/TAP TEMPO POP & ROCK | - | C2 C#2 |
| | DANCE & R&B | _ | D2 |
| - | LATIN & JAZZ | _ | D#2 |
| _ | COUNTRY & BALLROOM | _ | E2 |
| | ENTERTAINMENT | - | F2 |
| _ | WORLD | - | F#2 |
| | STYLE EXPANSION/USER | - | G2 |
| | SONG FUNCTION | - | G#2 |
| 10 | USB AUDIO PLAYER | - | A2 |
| 11 | PLAYLIST | - | A#2 |
| 12 I | MIXER | - | B2 |
| 13 | ASSIGN | - | СЗ |
| 14 | METRONOME | METRONOME | C#3 |
| 15 | TEMPO - | - | D3 |
| 16 | TEMPO + | - | D#3 |
| 17 | TRANSPOSE - | - | E3 |
| 18 | TRANSPOSE + | - | F3 |
| | SONG REC | SONG REC | F#3 |
| _ | SONG STOP | - | G3 |
| | SONG PLAY/PAUSE | SONG PLAY/PAUSE (RED, BLUE) | G#3 |
| - | SONG REW | - | A3 |
| _ | SONG FF | - AUTO FILL IN | A#3 |
| _ | AUTO FILL IN | AUTO FILL IN | B3 |
| - | FADE IN/OUT | FADE IN/OUT | C4 |
| - | ACMP INTRO I | ACMP | C#4 D4 |
| _ | INTRO II | INTRO I (RED, BLUE) INTRO II (RED, BLUE) | D#4 |
| | INTRO III | INTRO III (RED, BLUE) | E4 |
| _ | MAIN VARIATION A | MAIN VARIATION A (RED, BLUE) | F4 |
| | MAIN VARIATION B | MAIN VARIATION B (RED, BLUE) | F#4 |
| | MAIN VARIATION C | MAIN VARIATION C (RED, BLUE) | G4 |
| _ | MAIN VARIATION D | MAIN VARIATION D (RED, BLUE) | G#4 |
| - | BREAK | BREAK (RED, BLUE) | A4 |
| 35 I | ENDING/rit. I | ENDING/rit. I (RED, BLUE) | A#4 |
| 36 I | ENDING/rit. II | ENDING/rit. II (RED, BLUE) | B4 |
| 37 I | ENDING/rit. III | ENDING/rit. III (RED, BLUE) | C5 |
| 38 | SYNC STOP | SYNC STOP | C#5 |
| 39 | SYNC START | SYNC START | D5 |
| 40 3 | START/STOP | START/STOP (RED, BLUE) | D#5 |
| 41 (| CHANNEL ON/OFF | - | E5 |
| 42 I | BALANCE | - | F5 |
| | REGIST - | - | F#5 |
| | REGIST + | - | G5 |
| | 1-U | - | G#5 |
| | 2-U | - | A5 |
| | 3-U | - | A#5 |
| | 4-U | - | B5 |
| - | 5-U | - | C2 |
| _ | 6-U | - | C#2 |
| _ | 7-U 8-U | - | D2 D#2 |
| _ | 6-0 1-L | _ | E2 |
| _ | 1-L 2-L | - | F2 |
| | 2-L 3-L | - | F#2 |
| _ | 4-L | - | G2 |
| | 5-L | - | G#2 |
| _ | 6-L | - | A2 |
| | 7-L | - | A#2 |
| | 8-L | - | B2 |
| _ | MENU | - | C3 |
| _ | FREEZE | FREEZE | C#3 |
| _ | MEMORY | - | D3 |
| _ | REG. MEMORY 1 | REG. MEMORY 1 (RED, BLUE) | D#3 |

| 65 REG. MEMORY 2 REG. MEMORY 3 REG. MEMORY 3 (RED, BLUE) F3 67 REG. MEMORY 4 REG. MEMORY 4 (RED, BLUE) F83 67 REG. MEMORY 5 REG. MEMORY 5 (RED, BLUE) G3 68 REG. MEMORY 6 REG. MEMORY 6 (RED, BLUE) G33 70 REG. MEMORY 7 REG. MEMORY 7 (RED, BLUE) A3 71 REG. MEMORY 8 REG. MEMORY 8 (RED, BLUE) A43 72 EXIT - G3 73 TAB - C4 74 TAB > - C4 75 -NO - D4 76 UP - D94 77 +/YES - E4 78 ENTER - F4 79 LEFT - F44 80 DOWN - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A44 <th>Turn</th> <th>Panel SW Name</th> <th>LED made to turn on</th> <th>Note No.</th> | Turn | Panel SW Name | LED made to turn on | Note No. |
|--|------|-----------------------|---------------------------|----------|
| 66 REG. MEMORY 3 REG. MEMORY 4 (RED. BLUE) F3 67 REG. MEMORY 4 REG. MEMORY 4 (RED. BLUE) G3 68 REG. MEMORY 5 REG. MEMORY 6 (RED. BLUE) G3 69 REG. MEMORY 7 REG. MEMORY 7 (RED. BLUE) A3 70 REG. MEMORY 8 REG. MEMORY 8 (RED. BLUE) A3 71 REG. MEMORY 8 REG. MEMORY 8 (RED. BLUE) A43 72 EXIT - C4 73 TAB - C44 75 -/NO - D4 76 UP - D#4 77 +/YES - E4 78 ENTER - G4 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 84 ORGAN & ACCORDION - A44 84 ORGAN & ACCORDION - B4 < | | | | |
| 67 REG. MEMORY 4 REG. MEMORY 5 REG. MEMORY 5 REG. MEMORY 5 REG. MEMORY 6 REG. MEMORY 6 REG. MEMORY 7 REG. MEMORY 7 REG. MEMORY 7 REG. MEMORY 8 REG. MEMORY 4 REG. MEMORY 4 REG. MEMORY 4 REG. MEMORY 4 REG. MEMORY 8 REG. MEMORY 8 REG. MEMORY 8 REG. MEMORY 8 | | | , , , , | |
| 68 REG. MEMORY 5 REG. MEMORY 6 (RED. BLUE) G3 69 REG. MEMORY 6 REG. MEMORY 6 (RED. BLUE) G#3 70 REG. MEMORY 7 REG. MEMORY 8 (RED. BLUE) A#3 71 REG. MEMORY 8 REG. MEMORY 8 (RED. BLUE) A#3 72 EXIT - G4 74 TAB > - C4 75 -/NO - D#4 75 -/NO - D#4 76 UP - D#4 77 +/YES - E4 8 ENTER - F#4 79 LEFT - F#4 80 DOWN - G#4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & EPIANO - A#4 84 ORGAN & ACCORDION - A#4 84 ORGAN & CHOIR - B5 87 STRING & CHOIR <td></td> <td></td> <td></td> <td></td> | | | | |
| 69 REG. MEMORY 6 REG. MEMORY 7 REG. MEMORY 7 REG. MEMORY 7 (RED, BLUE) A3 70 REG. MEMORY 8 REG. MEMORY 8 (RED, BLUE) A43 72 EXIT - C4 73 TAB - C4 74 TAB > - C44 75 -/NO - D4 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 79 LEFT - F4 80 DOWN - G#4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 84 ORGAN & ACCORDION - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS < | | | ` ' ' | |
| 70 REG. MEMORY 7 REG. MEMORY 8 REG. MEMORY 8 (RED, BLUE) A3 71 REG. MEMORY 8 REG. MEMORY 8 (RED, BLUE) A#3 72 EXIT - C4 73 TAB - - C4 75 -/NO - D4 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 79 LEFT - F4 90 DOWN - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A44 84 ORGAN & ACCORDION - B4 84 ORGAN & ACCORDION - B4 85 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - | | | , | |
| 71 REG. MEMORY 8 REG. MEMORY 8 (RED, BLUE) A#3 72 EXIT - B3 73 TAB - C4 74 TAB > - C#4 75 /NO - D#4 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 79 LEFT - F#4 80 DOWN - G#4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B#4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - C#5 89 WOODWIND - E5 99 YOIT & A | | | ` ' ' | |
| 72 EXIT - B3 73 TAB - C4 74 TAB > - C#4 75 -/NO - D4 76 UP - D#4 76 UP - D#4 78 ENTER - E4 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - <td></td> <td></td> <td></td> <td></td> | | | | |
| 73 TAB > - C4 74 TAB > - C#4 75 -/NO - D4 76 UP - D#4 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 80 DOWN - G4 81 RIGHT - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 40 ORGAN & ACCORDION - B4 84 ORGAN & ACCORDION - B8 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - | | | REG. MEMORY 8 (RED, BLUE) | |
| 74 TAB > - C#4 75 -/NO - D4 75 -/NO - D4 75 -/NO - D44 77 +/YES - E4 78 ENTER - F4 78 ENTER - F4 80 DOWN - G4 81 RIGHT - G4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 91 PERC. & DRUMS < | | | - | |
| 75 -/NO - D4 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 M | | | - | |
| 76 UP - D#4 77 +/YES - E4 78 ENTER - F4 79 LEFT - F#4 80 DOWN - G#4 81 RIGHT - G#4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 87 STRING & CHOIR - D6 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 | | | - | |
| 77 +/YES - E4 78 ENTER - F4 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - C#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 | | | - | |
| 78 ENTER - F4 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & EPIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS LI - A#5 96 OTS 2 - B5 97 | 76 | UP | - | D#4 |
| 79 LEFT - F#4 80 DOWN - G4 81 RIGHT - G4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 9 | 77 | +/YES | - | E4 |
| 80 DOWN - G4 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - A#4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 G#5 94 OTS LINK OTS LINK A5 95 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - - 99 <td>78</td> <td>ENTER</td> <td>-</td> <td>F4</td> | 78 | ENTER | - | F4 |
| 81 RIGHT - G#4 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 <td>79</td> <td>LEFT</td> <td>-</td> <td>F#4</td> | 79 | LEFT | - | F#4 |
| 82 DIRECT ACCESS - A4 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 101 <t< td=""><td>80</td><td>DOWN</td><td>-</td><td>G4</td></t<> | 80 | DOWN | - | G4 |
| 83 PIANO & E.PIANO - A#4 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D#5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 2 PART SELECT RIGHT 1 D#2 102 HARMONY/ARPEGGIO < | 81 | RIGHT | - | G#4 |
| 84 ORGAN & ACCORDION - B4 85 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARP | 82 | DIRECT ACCESS | - | A4 |
| 86 GUITAR - C5 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 G#5 94 OTS LINK A5 G#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO | 83 | PIANO & E.PIANO | - | A#4 |
| 86 BASS - C#5 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 G#5 94 OTS LINK A5 G#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 2 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 103 SUSTAIN DSP </td <td>84</td> <td>ORGAN & ACCORDION</td> <td>-</td> <td>B4</td> | 84 | ORGAN & ACCORDION | - | B4 |
| 87 STRING & CHOIR - D5 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 91 PERC. & DRUMS - G5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 G#5 94 OTS LINK A5 A#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 2 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 103 SUSTAIN < | 85 | GUITAR | - | C5 |
| 88 BRASS - D#5 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 G#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 | 86 | BASS | - | C#5 |
| 89 WOODWIND - E5 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 A#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 2 (RED, BLUE) A#2 | 87 | STRING & CHOIR | - | D5 |
| 90 SYNTH & PAD - F5 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A#5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT2 E2 102 HARMONY/ARPEGGIO HARMONY/ARPEGGIO F2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 2 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 3 (RED, BLUE) B2 109 MULTI | 88 | BRASS | - | D#5 |
| 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 3 (RED, BLUE) A#2 109 MULTI PAD 4 | 89 | WOODWIND | - | E5 |
| 91 PERC. & DRUMS - F#5 92 VOICE EXPANSION/USER - G5 93 MIC SETTING USB G#5 94 OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 3 (RED, BLUE) A#2 109 MULTI PAD 3 MULTI PAD 4 (RED, BLUE) < | 90 | SYNTH & PAD | - | F5 |
| 93 MIC SETTING USB G#5 94 OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 | 91 | PERC. & DRUMS | - | F#5 |
| 93 MIC SETTING USB G#5 94 OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT RIGHT 1 D#2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 2 E2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 | | | - | |
| 94 OTS LINK OTS LINK A5 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT D2 100 PART SELECT RIGHT 1 DART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A#2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD <t< td=""><td></td><td></td><td></td><td></td></t<> | | | | |
| 95 OTS 1 - A#5 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT D2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D#3 112 PART ON/OFF RIGHT 1 UPPER RIGHT | | | | |
| 96 OTS 2 - B5 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 | | | - | |
| 97 OTS 3 - C2 98 OTS 4 - C#2 99 PART SELECT LEFT D2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 E2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 < | | | _ | |
| 98 OTS 4 - C#2 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 F2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 99 PART SELECT LEFT PART SELECT LEFT D2 100 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F#3 115 UPPER OCTAVE - - F#3 | | | | |
| 100 PART SELECT RIGHT 1 D#2 101 PART SELECT RIGHT 2 E2 102 HARMONY/ARPEGGIO F2 103 SUSTAIN DSP 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | PART OF LECT LEFT | |
| 101 PART SELECT RIGHT 2 PART SELECT RIGHT2 E2 102 HARMONY/ARPEGGIO F2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF RIGHT 1 LOWER LEFT D#3 113 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 102 HARMONY/ARPEGGIO F2 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 103 SUSTAIN DSP F#2 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 104 DSP VARI. G2 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 105 SELECT - G#2 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 106 MULTI PAD 1 MULTI PAD 1 (RED, BLUE) A2 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | VARI. | |
| 107 MULTI PAD 2 MULTI PAD 2 (RED, BLUE) A#2 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | - | |
| 108 MULTI PAD 3 MULTI PAD 3 (RED, BLUE) B2 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 109 MULTI PAD 4 MULTI PAD 4 (RED, BLUE) C3 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | | | | |
| 110 STOP - C#3 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | 108 | MULTI PAD 3 | MULTI PAD 3 (RED, BLUE) | B2 |
| 111 PART ON/OFF LEFT HOLD LOWER LEFT HOLD D3 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | 109 | MULTI PAD 4 | MULTI PAD 4 (RED, BLUE) | C3 |
| 112 PART ON/OFF LEFT LOWER LEFT D#3 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | 110 | STOP | - | C#3 |
| 113 PART ON/OFF RIGHT 1 UPPER RIGHT 1 E3 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | 111 | PART ON/OFF LEFT HOLD | LOWER LEFT HOLD | D3 |
| 114 PART ON/OFF RIGHT 2 UPPER RIGHT 2 F3 115 UPPER OCTAVE - - F#3 | 112 | PART ON/OFF LEFT | LOWER LEFT | D#3 |
| 115 UPPER OCTAVE F#3 | 113 | PART ON/OFF RIGHT 1 | UPPER RIGHT 1 | E3 |
| | 114 | PART ON/OFF RIGHT 2 | UPPER RIGHT 2 | F3 |
| 116 UPPER OCTAVE + - G3 | 115 | UPPER OCTAVE - | - | F#3 |
| 1 | 116 | UPPER OCTAVE + | - | G3 |

Panel PCB division check 1 (PNC circuit board)

| | Bened OW Name | T | N-A N |
|------|----------------|---------------------------|----------|
| Turn | Panel SW Name | LED made to turn on | Note No. |
| 1 | CHANNEL ON/OFF | - | E5 |
| 2 | BALANCE | - | F5 |
| 3 | REGIST - | - | F#5 |
| 4 | REGIST + | - | G5 |
| 5 | 1-U | - | G#5 |
| 6 | 2-U | - | A5 |
| 7 | 3-U | - | A#5 |
| 8 | 4-U | - | B5 |
| 9 | 5-U | - | C2 |
| 10 | 6-U | - | C#2 |
| 11 | 7-U | - | D2 |
| 12 | 8-U | - | D#2 |
| 13 | 1-L | - | E2 |
| 14 | 2-L | - | F2 |
| 15 | 3-L | - | F#2 |
| 16 | 4-L | - | G2 |
| 17 | 5-L | - | G#2 |
| 18 | 6-L | - | A2 |
| 19 | 7-L | - | A#2 |
| 20 | 8-L | - | B2 |
| 21 | MENU | - | C3 |
| 22 | FREEZE | FREEZE | C#3 |
| 23 | MEMORY | - | D3 |
| 24 | REG. MEMORY 1 | REG. MEMORY 1 (RED, BLUE) | D#3 |
| 25 | REG. MEMORY 2 | REG. MEMORY 2 (RED, BLUE) | E3 |
| 26 | REG. MEMORY 3 | REG. MEMORY 3 (RED, BLUE) | F3 |
| 27 | REG. MEMORY 4 | REG. MEMORY 4 (RED, BLUE) | F#3 |
| 28 | REG. MEMORY 5 | REG. MEMORY 5 (RED, BLUE) | G3 |
| 29 | REG. MEMORY 6 | REG. MEMORY 6 (RED, BLUE) | G#3 |
| 30 | REG. MEMORY 7 | REG. MEMORY 7 (RED, BLUE) | A3 |
| 31 | REG. MEMORY 8 | REG. MEMORY 8 (RED, BLUE) | A#3 |
| 32 | EXIT | - | B3 |
| 33 | TAB < | - | C4 |
| 34 | TAB > | - | C#4 |
| 35 | -/NO | - | D4 |
| 36 | UP | - | D#4 |
| 37 | +/YES | - | E4 |
| 38 | ENTER | - | F4 |
| 39 | LEFT | - | F#4 |
| 40 | DOWN | - | G4 |
| 41 | RIGHT | - | G#4 |
| | | I . | |

Panel PCB division check 2 (PNR and PNL circuit boards)

| Turn | Panel SW Name | LED made to turn on | Note No. |
|------|----------------------|---------------------|----------|
| 1 | DIRECT ACCESS | - | A4 |
| 2 | PIANO & E.PIANO | - | A#4 |
| 3 | ORGAN & ACCORDION | - | B4 |
| 4 | GUITAR | - | C5 |
| 5 | BASS | - | C#5 |
| 6 | STRING & CHOIR | - | D5 |
| 7 | BRASS | - | D#5 |
| 8 | WOODWIND | - | E5 |
| 9 | SYNTH & PAD | - | F5 |
| 10 | PERC. & DRUMS | - | F#5 |
| 11 | VOICE EXPANSION/USER | - | G5 |
| 12 | MIC SETTING | USB | G#5 |
| 13 | OTS LINK | OTS LINK | A5 |
| 14 | OTS 1 | - | A#5 |
| 15 | OTS 2 | - | B5 |
| 16 | OTS 3 | - | C2 |
| 17 | OTS 4 | - | C#2 |

| Turn | Panel SW Name | LED made to turn on | Note No. |
|------|-----------------------|------------------------------|----------|
| 18 | PART SELECT LEFT | PART SELECT LEFT | D2 |
| 19 | PART SELECT RIGHT 1 | PART SELECT RIGHT 1 | D#2 |
| 20 | PART SELECT RIGHT 2 | PART SELECT RIGHT2 | E2 |
| 21 | HARMONY/ARPEGGIO | HARMONY/ARPEGGIO | F2 |
| 22 | SUSTAIN | DSP | F#2 |
| 23 | DSP | VARI. | G2 |
| 24 | SELECT | - | G#2 |
| 25 | MULTI PAD 1 | MULTI PAD 1 (RED, BLUE) | A2 |
| 26 | MULTI PAD 2 | MULTI PAD 2 (RED, BLUE) | A#2 |
| 27 | MULTI PAD 3 | MULTI PAD 3 (RED, BLUE) | B2 |
| 28 | MULTI PAD 4 | MULTI PAD 4 (RED, BLUE) | C3 |
| 29 | STOP | - | C#3 |
| 30 | PART ON/OFF LEFT HOLD | LOWER LEFT HOLD | D3 |
| 31 | PART ON/OFF LEFT | LOWER LEFT | D#3 |
| 32 | PART ON/OFF RIGHT 1 | UPPER RIGHT 1 | E3 |
| 33 | PART ON/OFF RIGHT 2 | UPPER RIGHT 2 | F3 |
| 34 | UPPER OCTAVE - | - | F#3 |
| 35 | UPPER OCTAVE + | - | G3 |
| 36 | RESET/TAP TEMPO | - | C2 |
| 37 | POP & ROCK | - | C#2 |
| 38 | DANCE & R&B | - | D2 |
| 39 | LATIN & JAZZ | - | D#2 |
| 40 | COUNTRY & BALLROOM | - | E2 |
| 41 | ENTERTAINMENT | - | F2 |
| 42 | WORLD | - | F#2 |
| 43 | STYLE EXPANSION/USER | - | G2 |
| 44 | SONG FUNCTION | - | G#2 |
| 45 | USB AUDIO PLAYER | - | A2 |
| 46 | PLAYLIST | - | A#2 |
| 47 | MIXER | - | B2 |
| 48 | ASSIGN | - | C3 |
| 49 | METRONOME | METRONOME | C#3 |
| 50 | TEMPO - | - | D3 |
| 51 | TEMPO + | - | D#3 |
| 52 | TRANSPOSE - | - | E3 |
| 53 | TRANSPOSE + | - | F3 |
| 54 | SONG REC | SONG REC | F#3 |
| 55 | SONG STOP | - | G3 |
| 56 | SONG PLAY/PAUSE | SONG PLAY/PAUSE (RED, BLUE) | G#3 |
| 57 | SONG REW | - | A3 |
| 58 | SONG FF | - | A#3 |
| 59 | AUTO FILL IN | AUTO FILL IN | B3 |
| 60 | FADE IN/OUT | FADE IN/OUT | C4 |
| 61 | ACMP | ACMP | C#4 |
| 62 | INTRO I | INTRO I (RED, BLUE) | D4 |
| 63 | INTRO II | INTRO II (RED, BLUE) | D#4 |
| 64 | INTRO III | INTRO III (RED, BLUE) | E4 |
| 65 | MAIN VARIATION A | MAIN VARIATION A (RED, BLUE) | F4 |
| 66 | MAIN VARIATION B | MAIN VARIATION B (RED, BLUE) | F#4 |
| 67 | MAIN VARIATION C | MAIN VARIATION C (RED, BLUE) | G4 |
| 68 | MAIN VARIATION D | MAIN VARIATION D (RED, BLUE) | G#4 |
| 69 | BREAK | BREAK (RED, BLUE) | A4 |
| 70 | ENDING/rit. I | ENDING/rit. I (RED, BLUE) | A#4 |
| 71 | ENDING/rit. II | ENDING/rit. II (RED, BLUE) | B4 |
| 72 | ENDING/rit. III | ENDING/rit. III (RED, BLUE) | C5 |
| 73 | SYNC STOP | SYNC STOP | C#5 |
| 74 | SYNC START | SYNC START | D5 |
| | | 1 | 1 |

■テストプログラム

※テストナンバー 048 の Factory Set を実行すると、設定データ及びユーザーデータが失われます。 事前にデータバックアップを行ってください。(63 ページ参照)

1. 測定条件

1-1. 環境

以下の状態で行います。

常温(温度5℃~40℃)

常湿 (湿度 20% ~ 90%)

但し、検査基準をはずれた場合は常温(温度 5℃~40℃)、常湿(相対湿度 30%~90%) で再測定してください。

1-2. 電源電圧

AC アダプターは、PA-300C を使用します。

交流電源は、50Hz 又は 60Hz とし、容量は 500VA 以上とします。

電圧は使用アダプターの定格電圧 ±10% とします。

1-3. 測定器

測定器は、十分な精度及び確度を持つものを使用してください。

尚、測定器の入力インピーダンスは 1MΩ 以上とします。

- ・レベルメーターまたはオーディオアナライザー (JIS-C フィルター使用)
- ・周波数カウンター (小数点以下3桁以上測定可能であること)

1-4. 治具

本体をテストする場合、次の治具が必要です。

- ・USB ケーブル (A-B タイプ)
- ·USB フラッシュメモリー
- ・フットコントローラー (FC7)

1-5. 端子状態

特に指定がない限り PHONES 端子にて測定します。(ステレオプラグを用います)

PHONES: 測定プラグを装着 (L/R ch: 33Ω負荷)

AUX IN: 測定プラグを装着

OUTPUT [L/L+R]/[R]: 測定プラグを装着(L/Rch: 10kΩ負荷)

FOOT PEDAL [1], [2]: フットコントローラー接続 (FC7)

1-6. コントロール状態

特に指定の無い場合、ツマミ類は以下のように設定してください。

[MASTER VOLUME] ダイアル:最大[PITCH BEND] ホイール:中央[MODULATION] ホイール:最小その他は、電源 O N時の、デフォルト状態です。

1-7 測定単位

アナログ入出力レベル単位は、0dBu=0.775Vrmsとします。

2 テストモード

2-1. テストモードの起動

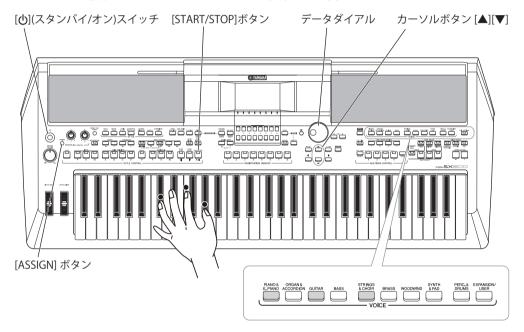
テストモードの起動方法は2種類あります。

方法 1

- 1) 鍵盤の [C#2]、[F2]、[G#2](C#2 メジャーコード) 押しながら [**b**] (スタンバイ/オン) スイッチを押して、電源を入れます。
- 2) テストモードが起動されると、LCD に "**TEST**" と表示されます。

方法2

- 1) [PIANO & E.PIANO]、[GUITAR]、[STRINGS & CHOIR] ボタンを同時に押しながら [**()**] (スタンバイ / オン) スイッチを押して、電源を入れます。
- 2) テストモードが起動されると、LCD に"**TEST**"と表示されます。



2-2. テスト項目の選択 / 実行

- 1) カーソル [▲][▼] ボタン、またはデータダイアルでテスト項目を選択します。
 - ※ 最初の項目でカーソル [▲] ボタンもしくはデータダイアルを左 (反時計回り) に回転させると末尾の項目へ進み、末尾の項目でカーソル [▼] ボタンもしくはデータダイアルを右 (時計回り) に回転させると、最初の項目へ戻ります。
- 2) [START/STOP] ボタンを押して、テストを実行します。

2-3. テスト結果が "OK" の場合

[START/STOP] ボタンを押して、テスト項目選択画面に戻ります。
※ OK だった選択画面は、先頭に "*" が表示され、後でチェック済みか判別ができるようになります。

2-4. テスト結果が "NG" の場合

最低音鍵盤または [ASSIGN] ボタンを押して、テスト項目選択画面に戻ります。

3. テスト一覧 (dBu=dBm)

| LCD 表示 | テスト項目及び判定条件 |
|-------------------------|--|
| 001 : Version | モデル名、仕向け情報、各 ROM のバージョン (*.**) を表示します。 |
| | 1) [START/STOP] ボタンを押すとバージョンが表示されます。 |
| | Model Name: PSR-SX600 (x) |
| | Main ROM : * . * |
| | Wave ROM : * . * * |
| | |
| | Hardware ID: * * * * * * * * * * |
| | 2) 表示内容を確認します。 |
| | x="OTH":その他仕向け、x="INA":インドネシア仕向け |
| | 11 桁の固有の Hardware ID が表示されていることを確認します。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 002 : Memory Check1 All | |
| | 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 |
| | 2) ラスト桁米を唯認しまり。 OK の場合: OK |
| | NG の場合: NG |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | 結果が OK の場合は、テスト No.003 ~ 006 は省略可です。 |
| | NG の場合、最初に NG を検出した時点でチェックを終了しますので、テスト No.003 ~ 006 |
| | を実施して詳細を確認します。 |
| 003 : ROM Check1 | CPU バスにつながっている ROM をチェックします(簡易チェック)。 |
| ood i riom onooki | 1) [START/STOP] ボタンを押します。 |
| | 2) テスト結果を確認します。 |
| | OK の場合: OK |
| | NG の場合: NG |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 004 : RAM Check1 | CPU バスにつながっている RAM をチェックします(簡易チェック)。 |
| | 1) [START/STOP] ボタンを押します。 |
| | 2) テスト結果を確認します。 |
| | OK の場合: OK |
| | NG の場合: NG |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 005 : Wave ROM Check1 | Wave ROM をチェックします (簡易チェック)。 |
| | 1) [START/STOP] ボタンを押します。 |
| | 2) テスト結果を確認します。 |
| | OK の場合: OK NG の場合: NG |
| | NG の場合・NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 006 : Wave RAM Check1 | Wave RAM をチェックします (簡易チェック)。 |
| 000 : Wave halvi Checki | wave RAM をラエックします (間易りエック)。 1) [START/STOP] ボタンを押します。 |
| | 1) [51AR175101] ホノンを行じます。 2) テスト結果を確認します。 |
| | OK の場合: OK |
| | NG の場合: NG |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 007 : Effect RAM Check1 | Effect RAM をチェックします (簡易チェック)。 |
| | 1) [START/STOP] ボタンを押します。 |
| | 2) テスト結果を確認します。 |
| | OK の場合: OK |
| | NG の場合: NG |
| | 3)[START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 008 : Pitch Check | ピッチをチェックします。 |
| | 1)[PHONES] 端子の L, R どちらかに周波数カウンターを接続します。 |
| | 2) [START/STOP] ボタンを押すと、A3 の正弦波が発音されます。 |
| | 3) 周波数カウンターの表示を確認します。 |
| | OK: 441.0Hz ± 0.2Hz |
| | 4) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |

| LCD 表示 | テスト項目及び判定条件 |
|-------------------------|--|
| 009 : Output R Check | 各出力端子の R チャンネルに信号が出力されます。出力レベルを測定します。 |
| | 1) 測定する出力端子にレベルメーターまたはオーディオアナライザーを接続します。 |
| | 2) [START/STOP] ボタンを押すと、C5 の正弦波が発音されます。 |
| | 3) レベルメーターまたはオーディオアナライザーの表示を確認します。 |
| | ·[PHONES] 端子(33Ω 負荷) |
| | OK: L: \leq -50.0 dBu, R: -6.0 \pm 2 dBu |
| | · OUTPUT [L/L+R]/[R] 端子(10kΩ 負荷) |
| | OK: L/L+R: ≤ -65.0 dBu, R: -6.0 ± 2 dBu |
| | ※ OUTPUT [R] 端子の測定プラグを抜くと、OUTPUT [L/L+R] 端子に出力されることを確認します。 ※ [PHONES] 端子の測定プラグを抜くと、スピーカーから発音されます。 |
| | × FHONES 端子の測定プラクを扱くと、スピーカーから発音されます。 5) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |
| 010 - Output I Chaols | 各出力端子のL チャンネルに信号が出力されます。出力レベルを測定します。 |
| 010 : Output L Check | 春田刀端子の L デャンネルに信号が出力されます。 出力レベルを測定します。 1) 測定する出力端子にレベルメーターまたはオーディオアナライザーを接続します。 |
| | 1) 例だりる出力端子にレベルメーターまたはオーティオテテライリーを接続しまり。 2) [START/STOP] ボタンを押すと、C5 の正弦波が発音されます。 |
| | 2) [START/STOF] ホタンを行うこ、しるの正弦放が光音されます。 3) レベルメーターまたはオーディオアナライザーの表示を確認します。 |
| | - [PHONES] 端子 (33Ω 負荷) |
| | OK: L:-6.0 ± 2 dBu, R: ≤ -50.0 dBu |
| | · OUTPUT [L/L+R]/[R] 端子(10kΩ 負荷) |
| | OK: $L/L+R: -6.0 \pm 2 \text{ dBu}$, $R: \leq -65.0 \text{ dBu}$ |
| | ※ [PHONES] 端子の測定プラグを抜くと、スピーカーから発音されます。 |
| | 5) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |
| 011 : SP MUTE Check | SP MUTE 機能をチェックします。 |
| | 1) [START/STOP] ボタンを押すと、C5 の正弦波が発音され、LCD に " OFF " が表示されます。 |
| | 2) カーソル [▶] ボタンを押すと、SP MUTE 回路が動作し、LCD が *ON " に切替ります。 |
| | スピーカーがミュートされることを確認します。 |
| | 3) カーソル [◀] ボタンを押すと SP MUTE 回路が切れ、LCD が " OFF " に切替ります。 |
| | スピーカーのミュートが外れることを確認します。 |
| | 4) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |
| | 注意: |
| | このテスト実行中は、ヘッドホンの挿抜検知は行われません。(ヘッドホンが接続されていて |
| | もスピーカーから発音します。) |
| 012 : MUTE Check | MUTE 機能をチェックします。 |
| | 1) [START/STOP] ボタンを押すと、C5 の正弦波が発音され、LCD に" OFF "が表示されます。 |
| | 2) カーソル [▶] ボタンを押すと、ミューティング回路が動作し、LCD が " ON " に切替ります。 |
| | スピーカー及び全出力端子 ([PHONES] 、OUTPUT [L/L+R]/[R]) がミュートされること |
| | を確認します。 |
| | 3) カーソル [◀] ボタンを押すとミューティング回路が切れ、LCD が " OFF " に切替ります。 |
| | スピーカー及び全出力端子のミュートが外れることを確認します。 |
| | 4) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |
| | 注意: |
| | スピーカー出力を確認する際は、[PHONES] 端子にプラグが未実装のこと。 |
| 013 : Emergency Circuit | 異常検知回路の動作をチェックします。 |
| Check | 1) [START/STOP] ボタンを押すと、A3 の正弦波が発音され、LCD に" OFF "が表示されます。 |
| | 2) カーソル [▶] ボタンを押すと、異常検出回路が動作し、LCD が " ON " に切替ります。 |
| | スピーカー及び全出力端子 ([PHONES] 、OUTPUT [L/L+R]/[R]) がミュートされること |
| | を確認します。 |
| | 3) カーソル [◀] ボタンを押すと異常検出回路が切れ、LCD が " OFF " に切替ります。 |
| | スピーカー及び全出力端子が発音状態に復帰することを確認します。 |
| | 異常検知回路が正しく動作しない場合は、LCD に " NG " が表示されます。 |
| | 4) [START/STOP] ボタンを押して TEST 項目を抜けると発音が停止します。 |
| | 注意: |
| | スピーカー出力を確認する際は、[PHONES] 端子にプラグが未実装のこと。 |
| | The second of th |

| LCD 表示 | テスト項目及び判定条件 |
|---------------------|--|
| 014 : AUX-IN Check | [AUX IN] 端子をチェックします。 |
| | 1) [START/STOP] ボタンを押すと、LCD に "Not Inserted" が表示されます。 |
| | 2) [AUX IN] 端子にプラグを挿入すると、LCD に "Inserted" が表示されます。 |
| | [AUX IN] 端子に入力した音が OUTPUT [L/L+R]/[R] 端子、[PHONES] 端子、スピーカー |
| | に出力され、ノイズ、異音がないことを確認します。 3)プラグを外すと LCD に " Not Inserted " が表示されます。 |
| | 3) フララをデリる LCD に Not inserted が表示されます。 4) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 015 : MIC Check | 「MIC INPUT」端子をチェックします。 |
| o to t mile encor | 1) OUTPUT [L/L+R]/[R] 端子にレベルメーターまたはオーディオアナライザーを接続します。 |
| | 2) [START/STOP] ボタンを押すと、LCD に "MUTE: OFF" 及び "Not Inserted" が表示さ |
| | れます。 |
| | 3) [MIC INPUT] 端子にプラグを挿入すると、LCD に "Inserted" が表示されます。 |
| | [MIC INPUT] 端子に入力した音が OUTPUT [L/L+R]/[R} 端子、[PHONES] 端子、スピー |
| | カーに出力され、ノイズ、異音がないことを確認します。 |
| | 4) プラグを外すと LCD に " Not Inserted " が表示されます。 |
| | 5) [MIC INPUT] ジャックに 1 kHz の正弦波 (-40 dBu) を入力し、レベルメーターまたはオー |
| | ディオアナライザーの表示を確認します。 |
| | OK: +2.5 ± 2 dBu 6) カーソル [▶] ボタンを押すと、LCD が " MUTE : ON " に切替ります。 |
| | OUTPUT [L/L+R]/[R] 端子がミュートされることを確認します。 |
| | 7) カーソル [◀] ボタンを押すと、LCD が " MUTE: OFF " に切替ります。 |
| | OUTPUT [L/L+R]/[R] 端子のミュートが外れることを確認します。 |
| | 8) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 016 : SW, LED Check | パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 |
| | 1) [START/STOP] ボタンを押すと LCD に " Push ボタン名 " が表示されます。 |
| | 2) 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。 |
| | ボタンに連動する LED がある場合は LED が点灯します。 |
| | 各ボタンに該当する音程、LED 及び LED の色は 52 ページを参照ください。 |
| | 3) ボタンを離すと LCD が次に押すボタンの " Push ボタン名 " に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 |
| | すべてのボタンを押し終えると、LCD が " Dial DOWN 50 " に切替ります。 |
| | 5) データダイアルをダウン方向(左)に回します。 |
| | LCD が " Dial UP 0 " に切替ります。 |
| | 6) データダイアルをアップ方向(右)に回します。 |
| | LCD が "End" に切替ります。 |
| | 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。・指定以外のボタンを押したとき: "NG [押されたスイッチ名] On" |
| | ・複数のボタンが押されたとき: "Over Two Sw " |
| | ※チェックを中断したい場合は最低音鍵盤または[ASSIGN] ボタン ([ASSIGN] ボタンのテスト終了後有 |
| | 効)を押します。 |
| 017 : All LED On | パネルの全LEDの点灯をチェックします。 |
| | 1) [START/STOP] ボタンを押すと LED が全て点灯し、LCD に "" が表示されます。 |
| | 2)全ての LED が点灯していることをチェックします。 3)[START/STOP] ボタンを押して TEST 項目を抜けると LED が消灯します。 |
| 018 : Red LED On | 37 [START/STOF] ホックを行じてTEST 項目を扱いるこ LED が行成します。 パネルの全赤色 LED の点灯をチェックします。 |
| OTO . Ned LED OII | 1) [START/STOP] ボタンを押すと赤色 LED が全て点灯し、LCD に "" が表示されます。 |
| | 2) 全ての赤色 LED が点灯していることをチェックします。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けると LED が消灯します。 |
| 020 : Blue LED On | パネルの全青色 LED の点灯をチェックします。 |
| | 1) [START/STOP] ボタンを押すと青色 LED が全て点灯し、LCD に "" が表示されます。 |
| | 2) 全ての青色 LED が点灯していることをチェックします。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けると LED が消灯します。 |
| 021 : All LCD On | LCD の全ドットの点灯をチェックします。 |
| | 1) [START/STOP] ボタンを押すと全ての LCD ドットがオン(黒)になります。 2) 全ての LCD ドットがオン(黒)になることを確認します。 |
| | 2) 全ての LCD トットがオン (無) になることを確認します。 3) [START/STOP] ボタンを押して TEST 項目を抜けると通常の表示に戻ります。 |
| | 0/ [DIIMII/DIOI] ホティでIT U CIEDI 独目で扱けるこ題併の衣外に広ります。 |

| LCD 表示 | テスト項目及び判定条件 |
|----------------------------|--|
| 022 : All LCD Off | LCD の全ドットの消灯をチェックします。 |
| | 1) [START/STOP] ボタンを押すと全ての LCD ドットがオフ(白)になります。 |
| | 2) 全ての LCD ドットがオフ(白)になることを確認します。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けると通常の表示に戻ります。 |
| 023 : LCD Pattern Check | |
| | 1) [START/STOP] ボタンを押すと、LCD にクロストーク用の画面が表示されます。 |
| | 2) LCD に色むらがないことを確認します。 |
| | 表示パターンはカーソル [◀][▶] ボタンで変更できます。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けると通常の表示に戻ります。 |
| 024 : LCD Backlight Off | LCD バックライトの点灯 / 消灯をチェックします。 |
| Check | 1) [START/STOP] ボタンを押すと、LCD バックライトが消灯します。 |
| | 2) カーソル [◀][▶] ボタンのどちらかを押すと LCD バックライトが点灯し、LCD に " ON " |
| | が表示されます。 |
| | カーソル[◀][▶] ボタンで、LCD バックライトの点灯/消灯が切り替わることを確認します。 |
| 205 100 11 | 3) [START/STOP] ボタンを押して TEST 項目を抜けると通常の表示に戻ります。 |
| 025 : LCD Mounting | LCD の取り付け位置をチェックします。 |
| Position Check | 1) [START / STOP] ボタンを押すと、LCD に取り付け位置の確認画像が表示されます。 2) LCD 正面方向から見て外周に白い枠が見えることを確認します。 |
| | 2) LCD 正面方向から兄 C外周に白い枠が兄えることを確認します。 3) [START/STOP] ボタンを押して TEST 項目を抜けると通常の表示に戻ります。 |
| OOC - Main Walana | 3) [START/STOP] ホタンを押してTEST 項目を扱いると週幕の表示に戻ります。 [MASTER VOLUME] ダイアルの最小値/最大値をチェックします。 |
| 026 : Main Volume Check | • • • • • • • • • • |
| Clieck | 1) [START/STOP] ボタンを押すと LCD に "Main Volume MIN xx" が表示されます。 xx=0 ~ 255 |
| | 20 [MASTER VOLUME] ダイアルを最小にします。 |
| | Z/ [MASTER VOLUME] タイプルを取がたします。 ダイアルを動かすと LCD に値(0 ~ 255)が表示されます。 |
| | 最小値を検知すると LCD に "Main Volume MAX 0" が表示されます。 |
| | 3) [MASTER VOLUME] ダイアルを最大にします。 |
| | 最大値を検知すると LCD に "OK 255" が表示されます。 |
| | 4) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 027 : Pitch Bend Wheel | [PITCH BEND] ホイールの最大値/最小値/中央値をチェックします。 |
| Check | 1) [START/STOP] ボタンを押すと LCD に " Pitch Bend Up 128 " が表示されます。 |
| | 2) [PITCH BEND] ホイールを最大にすると、G3 が 1 秒間発音し、LCD に "Pitch Bend |
| | Down 255 " と表示されます。 |
| | 3) [PITCH BEND] ホイールを最小にすると、C3 が 1 秒間発音し、LCD に "Pitch Bend |
| | Center 0" と表示されます。 |
| | 4) [PITCH BEND] ホイールを中央に戻すと、C4 が 1 秒間発音し、LCD に " OK 128 " と表 |
| | 示されます。 |
| | 5) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 028 : Modulation Wheel | [MODULATION] ホイールの最大値/最小値をチェックします。 |
| Check | 1) [START/STOP] ボタンを押すと LCD に "Modulation Up xx" が表示されます。 |
| | xx=0 ~ 255 |
| | 2) [MODULATION] ホイールを最大にすると、G3 が 1 秒間発音し、LCD に " Modulation |
| | Down 255 " と表示されます。 3)[MODULATION] ホイールを最小にすると、C4 が 1 秒間発音し、LCD に " OK " と表示さ |
| | 3) [MODULATION] ホイールを最小にすると、C4 か 1 秒間発音し、LCD に " OK " と表示さ れます。 |
| | れまり。 4) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | 4/ [SIANI/SIUF] ホタノを押してIESI 項目を扱けまり。 |

| LCD 表示 | テスト項目及び判定条件 |
|---------------------|--|
| 029 : Knob Check | LIVE CONTROL [1]/[2] ノブの最小値/最大値/中央値をチェックします。 |
| | 1)[START/STOP] ボタンを押すと LCD に " Knob 1 MIN (xx) " が表示されます。 |
| | xx=0 ~ 255 |
| | 2) LIVE CONTROL [1] ノブを最小にします。 |
| | ダイアルを動かすと LCD に値 (0 ~ 255) が表示されます。 |
| | 最小値を検知すると、G3 が 1 秒間発音し、LCD に "Knob 1 MAX (0)" が表示されます。 |
| | 3) LIVE CONTROL [1] ノブを最大にします。 |
| | 最大値を検知すると、C3 が 1 秒間発音し、LCD に " Knob 1 Center (255) " が表示されます。 |
| | 4) LIVE CONTROL [1] ノブを中央に戻します。 中央値を検知すると、C4 が 1 秒間発音し、LCD に " Knob 2 MIN (128) " が表示されます。 |
| | 中央値を検知すると、C4 が 1 秒间光音 C、LCD に KNOD 2 MIN (126) が表示されます。 5) LIVE CONTROL [2] ノブを最小にします。 |
| | 最小値を検知すると、G3 が 1 秒間発音し、LCD に "Knob 2 MAX (0) " が表示されます。 |
| | 6) LIVE CONTROL [2] ノブを最大にします。 |
| | 最大値を検知すると、C3 が 1 秒間発音し、LCD に " Knob 2 Center (255) " が表示されます。 |
| | 7) LIVE CONTROL [2] ノブを中央に戻します。 |
| | 中央値を検知すると、C4 が 1 秒間発音し、LCD に *OK " が表示されます。 |
| | 8) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 034 : Pedal1 Check | FOOT PEDAL [1] 端子をチェックします。 |
| | 1) FOOT PEDAL [1] 端子にフットコントローラー (FC7) ペダルを接続します。 |
| | 2) [START/STOP] ボタンを押すと LCD に "Pedal1 MAX" と表示されます。 |
| | ペダルが検出できない場合は、LCD に "No Pedal" と表示されます。 |
| | 3) ペダルを最大にする(奥までいっぱいに踏む)と、C3 が 1 秒間発音発音し、LCD に "Pedal1 " |
| | MIN"と表示されます。 |
| | 4) 最小にする (手前いっぱいに踏む) と、G3 が 1 秒間発音発音し、LCD に " Pedal1 Out " |
| | と表示されます。 |
| | 5) FOOT PEDAL [1] 端子からペダルを外すと、C4 が 1 秒間発音し、LCD に " OK " と表示 |
| | されます。 6) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 035 : Pedal2 Check | FOOT PEDAL [2] 端子をチェックします。 |
| 035 : Pedalz Check | FOOT FEDAL [2] 端子にフットコントローラー (FC7) ペダルを接続します。 |
| | 1) FOOT FEDAL [2] 編引にラットコントローク (FO) くみルを扱机しより。 2) [START/STOP] ボタンを押すと LCD に " Pedal2 MAX " と表示されます。 |
| | ペダルが検出できない場合は、LCD に "No Pedal" と表示されます。 |
| | 3) ペダルを最大にする(奥までいっぱいに踏む)と、C3 が 1 秒間発音発音し、LCD に " Pedal2 |
| | MIN"と表示されます。 |
| | 4) 最小にする (手前いっぱいに踏む) と、G3 が 1 秒間発音発音し、LCD に " Pedal2 Out " |
| | と表示されます。 |
| | 5) FOOT PEDAL [2] 端子からペダルを外すと、C4 が 1 秒間発音し、LCD に " OK " と表示 |
| | されます。 |
| | 6) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 037 : USB to Device | [USB TO DEVICE] 端子と [USB TO HOST] 端子のチェックを同時に行います。 |
| /Host Check | 1) [START/STOP] ボタンを押すと LCD に "Connect Device-Host" が表示されます。 |
| | 2) USB ケーブルを [USB TO DEVICE] 端子と [USB TO HOST] 端子に接続すると、C4 が 1 秒間発音し、LCD に " OK " と表示されます。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | (a) USB ケーブルを外します。 |
| 038 : USB Storage | USB ストレージ機器が使用可能かどうかをテストします。 |
| Device | 1) USB メモリを挿入して、[START/STOP] ボタンを押します。 |
| DEVICE | 2) LCD に " OK " が表示されることを確認します。 |
| | メディアが入っていない場合は、"NO DISK"と表示されます。 |
| | メディアが未フォーマットの場合は、"UNFORMAT DISK"と表示されます。 |
| | プロテクトされているメディアの場合は、"PROTECT DISK"と表示されます。 |
| | リード/ライト失敗の場合は、"NG"と表示されます。 |
| | 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | 4) USB メモリを外します。 |

| 1) START/STOP ボタンを押します。 2 LCD に"OK (18NSI) が表示されることを確認します。 3 START/STOP ボタンを押してTEST 項目を抜けます。 P#録に対して1.2 メイクをチェックします。 1 START/STOP ボタンを押します。 2 任意の鍵盤を押すと、LCD に"Note: ## 1-2Make Vel: *** と表示され、1-2 のメイクで計算、たべロシティ、 | LCD 表示 | テスト項目及び判定条件 |
|--|---------------------|---|
| 1) START/STOP ボタンを押します。 2 LCD に"OK (18NSI) が表示されることを確認します。 3 START/STOP ボタンを押してTEST 項目を抜けます。 P#録に対して1.2 メイクをチェックします。 1 START/STOP ボタンを押します。 2 任意の鍵盤を押すと、LCD に"Note: ## 1-2Make Vel: *** と表示され、1-2 のメイクで計算、たべロシティ、 | 039 : Keyboard Type | |
| 2 LCD に 'OK (feNely 'が表示されることを確認します。 3 ISTART/STOPI ボタンを押してTEST 項目を抜けます。 | Check | |
| Public Check | | |
| 1) START/STOP ボタンを押します。 2) 任意の機盤を押すと、LCD に "Note: ## 1-2MakeVel: **" と表示され、1-2 のメイクで計算したペロシティで発音します。 ##: 押した機盤のノート No. ***・ペロシティ機能を利すせるによっ。 3) 鍵盤を離すとLCD に "OK" と表示されます。 4) START/STOP ボタンを押して TEST 項目を投げます。 D41: ROM Check2 ROM をチェックします(フルアドレス)。(約6 秒かかります。) 1) START/STOP ボタンを押して TEST 項目を投げます。 OK の場合: OK NG の場合: NG 3) START/STOP ボタンを押して TEST 項目を投げます。 OK の場合: OK NG の場合: NG 3) START/STOP ボタンを押します。 D43: Wave RAM Check2 D43: Wave RAM Check2 D54: Effect RAM CFェックします(フルアドレス)。(約34 秒かかります。) D55: Panel PCB Check 1 D64: D65: D66: OK NG の場合: NG 3) START/STOP ボタンを押します。 OK の場合: OK NG の場合: NG 3) START/STOP ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG | | · |
| 日本の連載を押すと、LCD に "Note: ## 1-2MakeVel: **" と表示され、1-2のメイクで計算したペロシティで発音します。 ##: 押した御機のノート No. ***: ペロシティ 連載を押す甲とによって、**の数値が変化します。 2 | 040 : 1-2Make Check | |
| # は、押した機線のノート No. **・ベロシティ 機能を押すやさによって、**・の数値が変化します。 3 に 機能を離すと LCD に "OK' と表示されます。 4 (START/STOP) ボタンを押して下EST 項目を抜けます。 D41: ROM Check2 ROM をチェックします(フルアドレス)。(約6 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押してTEST 項目を抜けます。 D43: Wave RAM Check2 1) [START/STOP] ボタンを押してTEST 項目を抜けます。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押してTEST 項目を抜けます。 D44: Effect RAM Check2 1) [START/STOP] ボタンを押してTEST 項目を抜けます。 D45: Panel PCB Check 1 (PNC シート) バネルの各ボタンの動作確認と運動する LED の点灯をチェックします。 アスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押してTEST 項目を抜けます。 2) デスト結果を確認します。 OK の場合: OK NG の場合 | | |
| ##: 押した鍵盤のノート No. ***: ベロシティ 鍵盤を押す早さによって、*** の数値が変化します。 3) 鍵盤を離すと LCD に **OK* と表示されます。 4) [START/STOP] ボタンを押して TEST 項目を抜けます。 1) [START/STOP] ボタンを押して TEST 項目を抜けます。 2) テスト結果を確認します。 0K の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 1) [START/STOP] ボタンを押して TEST 項目を抜けます。 0K の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 0K の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 0K の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 0A3: Wave RAM Check2 1) [START/STOP] ボタンを押して TEST 項目を抜けます。 0K の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 0K の場合: OK NG の場合: NG | | |
| ### ## ## ## ## ## ## ## ## ## ## ## ## | | |
| 3 鍵盤を離すと LCD に "OK" と表示されます。 | | |
| 4 START/STOP ボタンを押してTEST 項目を抜けます。 | | |
| ROM Check2 ROM をチェックします (フルアドレス)。 (約6 秒かかります。) 1) START/STOP] ボタンを押します。 2) テスト格果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG START/STOP] ボタンを押してTEST 項目を抜けます。 OK の場合: NG D43: Wave ROM Eチェックします (フルアドレス)。 (約1 分 50 秒かかります。) START/STOP] ボタンを押します。 OK の場合: OK NG の場合: NG OK の場合: NG OK NG OK | | |
| 1) START/STOP ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG | 0/1 · BOM Chack? | · |
| 2) テスト結果を確認します。 OK の場合: NG OK の場合: NG O場合: NG | 041 . NOW CHECK2 | |
| OK の場合:NK NG の場合:NG NG の場合:NG START/STOP ボタンを押してTEST 項目を抜けます。 | | |
| NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D42: Wave ROM Check2 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D43: Wave RAM Check2 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D44: Effect RAM Check2 D44: Effect RAM Check2 D5 テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 OK の場合: NG 3) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 グスンを連合したして、Push ボタン名 ** が表示されます。 1) [START/STOP] ボタンを押すと 上CD た ** Push ボタン名 ** が表示されます。 2) 読当するボタンを押すと表示が・ボタン名 On に切替り、該当する言程で発音します。ボタンに連動する LED がある場合は LED が点灯します。 カボタンを離すと LCD が がある場合は LED かに切します。 クボタンを離すと LCD が ** Push ボタン名 ** に切替ります。 4 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が ** Dial DOWN 50* に切替ります。 1) 「アータダイアルをダウン方向(左)に回します。 LCD が ** Poal UP 0** に切替ります。 1) 「START/STOP」 ボタンを押して TEST 項目を抜けます。 ** LCD が ** End* に切替ります。 7) 「START/STOP」 ボタンを押して TEST 項目を抜けます。 ** LCD が ** End* に切替ります。 1) 「START/STOP」 ボタンを押して TEST 項目を抜けます。 ** LCD が ** End* に切替ります。 1) 「START/STOP」 ボタンを押して TEST 項目を抜けます。 ** LCD が ** End* に切替ります。 1) 「START/STOP」 ボタンを押して TEST 項目を抜けます。 ** LCD が ** End* に切替ります。 1) 「START/STOP」 ボタンを押しなるのは、ないは、ないは、ないは、ないは、ないは、ないは、ないは、ないは、ないは、ない | | |
| Wave ROM Check2 | | |
| START/STOP ボタンを押します。 | | 3)[START/STOP] ボタンを押して TEST 項目を抜けます。 |
| 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D43: Wave RAM Check2 Wave RAM をチェックします(フルアドレス)。(約24 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Effect RAM Check2 D44: Effect RAM Check2 1) [START/STOP] ボタンを押して TEST 項目を抜けます。 Effect RAM をチェックします(フルアドレス)。(約32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D45: Panel PCB Check 1 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと上にDに "Push ボタン名"が表示されます。 2) 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED か点灯します。 各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを確すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が"Dial DOWN 50" に切替ります。 5) データダイアルをチウン方向(左) に回します。 LCD が"End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** ********************************* | 042 : Wave ROM | Wave ROM をチェックします (フルアドレス)。(約 1 分 50 秒かかります。) |
| OK の場合: NG NG の場合: NG NG の場合: NG の場合: NG の場合: NG の場合: NG NG の場合: NG NG の場合: NG NG の場合: NG NG の場合: OK NG の場合: OK NG の場合: OK NG の場合: OK NG の場合: NG | Check2 | |
| NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Wave RAM をチェックします (フルアドレス)。(約 24 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D44: Effect RAM Check2 D44: Effect RAM Check2 D5 (アンスト結果を確認します。 (アンストレス)。(約 32 秒かかります。) 1) [START/STOP] ボタンを押して TEST 項目を抜けます。 (NG の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と運動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が" ボタン名 On" に切替り、該当する音程で発音します。ボタンに運動する LED がある場合は LED が点灯します。各ボタンに護動する音程、LED がに押すボタンの "Push ボタン名" に切替ります。4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が"Dial DOWN 50" に切替ります。 5) データダイアルをデップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 **LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 | | , |
| 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Wave RAM をチェックします (フルアドレス)。(約 24 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Effect RAM Check2 D44: Effect RAM Check2 Effect RAM をチェックします (フルアドレス)。(約 32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と運動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が" ボタン名 On" に切替り、該当する音程で発音します。ボタンに護当する音程、LED 及び LED が点灯します。 各ボタンに該当する音程、LED 及び LED が点灯します。 4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が"Dial DOWN 50" に切替ります。 5) データダイアルをアップ方向 (左) に回します。 LCD が"Dial UP 0" に切替ります。 6) データダイアルをアップ方向 (右) に回します。 LCD が"End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 | | |
| Wave RAM をチェックします (フルアドレス)。 (約24 秒かかります。) | | |
| Check2 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Check2 Effect RAM をチェックします(フルアドレス)。(約 32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 Check 1 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が "ボタン名 On" に切替り、該当する音程で発音します。ボタンに運動する LED がある場合は LED が点灯します。 名ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名] On" | 242 114 224 | |
| 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押してTEST 項目を抜けます。 Effect RAM をチェックします (フルアドレス)。(約32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: OK NG の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押してTEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が "ボタン名 On" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED から近します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。 LCD が "Dial UP O" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押してTEST 項目を抜けます。 **LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 **指定以外のボタンを押したとき: "NG [押されたスイッチ名]On" | | |
| OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D44: Effect RAM Check2 Effect RAM をチェックします(フルアドレス)。(約 32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D45: Panel PCB Check 1 (PNC シート) パネルの各ボタンの動作確認と運動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が"ボタン名" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。 各ボタンに譲当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | Check2 | |
| NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 | | |
| 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D44: Effect RAM Check2 Effect RAM をチェックします(フルアドレス)。(約32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名"が表示されます。 2) 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。 LCD が "Dial UP O" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | | |
| Check2 Effect RAM をチェックします(フルアドレス)。(約32 秒かかります。) 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 | | |
| Check2 1) [START/STOP] ボタンを押します。 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 D45: Panel PCB (PNC シート) パネルの各ボタンの動作確認と運動する LED の点灯をチェックします。 Check 1 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が"ボタン名 On" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの"Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が"Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。LCD が"Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右) に回します。LCD が"End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | 044 · Effect RAM | |
| 2) テスト結果を確認します。 OK の場合: OK NG の場合: NG | | |
| NG の場合: NG 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が "ボタン名 On" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向 (左) に回します。LCD が "Dial UP O" に切替ります。 6) データダイアルをアップ方向 (右) に回します。LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ************************************ | Officerz | |
| 3) [START/STOP] ボタンを押して TEST 項目を抜けます。 (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名"に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50"に切替ります。 5) データダイアルをダウン方向(左)に回します。LCD が "Dial UP 0"に切替ります。 6) データダイアルをアップ方向(右)に回します。LCD が "End"に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 | | |
| O45: Panel PCB (PNC シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェックします。 1) [START/STOP] ボタンを押すと LCD に "Push ボタン名" が表示されます。 2) 該当するボタンを押すと表示が "ボタン名 On" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左)に回します。LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右)に回します。LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名]On" | | |
| (START/STOP) ボタンを押すと LCD に "Push ボタン名" が表示されます。 該当するボタンを押すと表示が "ボタン名 On" に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 データダイアルをダウン方向(左) に回します。LCD が "Dial UP 0" に切替ります。 データダイアルをアップ方向(右) に回します。LCD が "End" に切替ります。 (データダイアルをアップ方向(右) に回します。LCD が "End" に切替ります。 (大型の "End" に対する "End" に対す | | · |
| 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。ボタンに連動する LED がある場合は LED が点灯します。各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 ボタンを離すと LCD が次に押すボタンの"Push ボタン名"に切替ります。 表示に従って順次パネルのボタンをチェックします。すべてのボタンを押し終えると、LCD が"Dial DOWN 50"に切替ります。 データダイアルをダウン方向(左)に回します。LCD が"Dial UP 0"に切替ります。 データダイアルをアップ方向(右)に回します。LCD が "End"に切替ります。 [START/STOP] ボタンを押して TEST 項目を抜けます。 *LCD に表示されたボタンが正しく押されない場合は以下の表示となります。・指定以外のボタンを押したとき:"NG [押されたスイッチ名]On" | 045 : Panel PCB | |
| ボタンに連動する LED がある場合は LED が点灯します。 各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向 (左) に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向 (右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | Check 1 | |
| 各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名] On" | | |
| 3) ボタンを離すと LCD が次に押すボタンの "Push ボタン名" に切替ります。 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左) に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右) に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名] On" | | |
| 4) 表示に従って順次パネルのボタンをチェックします。 すべてのボタンを押し終えると、LCD が "Dial DOWN 50" に切替ります。 5) データダイアルをダウン方向(左)に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右)に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名]On" | | |
| すべてのボタンを押し終えると、LCD が " Dial DOWN 50 " に切替ります。 5) データダイアルをダウン方向 (左) に回します。 LCD が " Dial UP 0 " に切替ります。 6) データダイアルをアップ方向 (右) に回します。 LCD が " End " に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | | |
| 5) データダイアルをダウン方向(左)に回します。 LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右)に回します。 LCD が "End"に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名]On" | | |
| LCD が "Dial UP 0" に切替ります。 6) データダイアルをアップ方向(右)に回します。 LCD が "End" に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ** LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき: "NG [押されたスイッチ名] On" | | |
| LCD が " End " に切替ります。 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:" NG [押されたスイッチ名] On " | | |
| 7) [START/STOP] ボタンを押して TEST 項目を抜けます。 ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:"NG[押されたスイッチ名]On" | | , |
| ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 ・指定以外のボタンを押したとき:" NG[押されたスイッチ名]On " | | |
| ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" | | |
| | | |
| THE PROPERTY OF THE PROPERTY O | | ・指定以外のホタンを押したとき:"NG[押されたスイッチ名]On" ・複数のボタンが押されたとき:"Over Two Sw" |
| ※チェックを中断したい場合は最低音鍵盤または[ASSIGN] ボタン([ASSIGN] ボタンのテスト終了後有 | | |
| 効)を押します。 | | |

| LCD 表示 | テスト項目及び判定条件 |
|-------------------|---|
| 046 : Panel PCB | (PNR シート& PNL シート) パネルの各ボタンの動作確認と連動する LED の点灯をチェッ |
| Check 2 | クします。 |
| | 1) [START/STOP] ボタンを押すと LCD に " Push ボタン名 " が表示されます。 |
| | 2) 該当するボタンを押すと表示が"ボタン名 On"に切替り、該当する音程で発音します。 |
| | ボタンに連動する LED がある場合は LED が点灯します。 |
| | 各ボタンに該当する音程、LED 及び LED の色は 53 ページを参照ください。 |
| | 3) ボタンを離すと LCD が次に押すボタンの " Push ボタン名 " に切替ります。 |
| | 4) 表示に従って順次パネルのボタンをチェックします。 |
| | すべてのボタンを押し終えると、LCD が " End " に切替ります。 |
| | 5)[START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | ※ LCD に表示されたボタンが正しく押されない場合は以下の表示となります。 |
| | ・指定以外のボタンを押したとき:"NG [押されたスイッチ名] On" |
| | ・複数のボタンが押されたとき:"Over Two Sw" |
| | ※チェックを中断したい場合は最低音鍵盤または [ASSIGN] ボタン ([ASSIGN] ボタンのテスト終了後有 |
| | 効)を押します。 |
| 048 : Factory Set | 全てのバックアップ領域を初期化して工場出荷状態にします。 |
| | ここでは初期化用のフラグを立てるだけで、実行は次回電源起動時に行われます。 |
| | 注意: |
| | 全てのユーザーデータが消えますので、注意してください。ファクトリーリセットを実行する前に、 |
| | 大切なデータは USB メモリにバックアップとして保存してください。(63 ページ参照) |
| | 1) [START/STOP] ボタンを押すと LCD に " OK " が表示されます。 |
| | 2)[START/STOP] ボタンを押して TEST 項目を抜けます。 |
| | ※次に起動した時に、LCD に "Force Format Mode." と表示され通常モードに切り替わります。メイン |
| | 画面が表示されるまでは電源を切らないでください。(約 15 秒かかります。) |
| 049 : Test Exit | テストモードから抜けて、通常モードにします。 |
| | 1) [START/STOP] ボタンを押します。 |
| | テストモードから抜けて楽器を再起動します。 |
| | 2) 再起動後にメイン画面が表示され通常モードに切り替わります。 |
| | ※メイン画面が表示されるまでは電源を切らないでください。 |

4. その他の検査

4-1. AUX IN

テストプログラム [014: AUX-IN Check] 状態にて測定します。 AUX IN に信号を入力した時、下表のようになることを確認します。

| | OUTPUT | OUTPUT (10 k Ω load) | | |
|--------------------------------------|------------|----------------------|--------------|--|
| INPUT | | L | R | |
| AUX IN L: 正弦波(1 kH AUX IN R: 入力無し | lz, 0 dBu) | +7.3 ± 2 dBu | -50.0 dBu 以下 | |
| AUX IN L: 入力無し AUX IN R: 正弦波(1 kF | Hz, 0 dBu) | -50.0 dBu 以下 | +7.3 ± 2 dBu | |

4-2. ノイズレベルチェック

- 1) [AUX IN] 端子、[MIC INPUT] 端子には何も接続しません。
- 2) [PHONES] 端子、OUTPUT [L/L+R]/[R] 端子にレベルメーターまたはオーディオアナライザー(JIS-C フィルター 使用)を接続します。
- 3) [MASTER VOLUME] ダイアルを最大にします。
- 4) 出力電圧を測定し、測定値が下記を満たしていることを確認します。

[PHONES]

L: -90.0 dBu 以下

R: -90.0 dBu 以下

OUTPUT [L/L+R]/[R]

L/L+R: -86.0 dBu 以下

R: -86.0 dBu 以下

● スイッチテスト順

| | パネルスイッチ表示 | 点灯させるLED | ノート番号 |
|----|----------------------|------------------------------|-------|
| 1 | RESET/TAP TEMPO | - | C2 |
| 2 | POP & ROCK | - | C#2 |
| 3 | DANCE & R&B | - | D2 |
| 4 | LATIN & JAZZ | - | D#2 |
| 5 | COUNTRY & BALLROOM | - | E2 |
| 6 | ENTERTAINMENT | - | F2 |
| 7 | WORLD | - | F#2 |
| 8 | STYLE EXPANSION/USER | - | G2 |
| 9 | SONG FUNCTION | - | G#2 |
| 10 | USB AUDIO PLAYER | - | A2 |
| 11 | PLAYLIST | - | A#2 |
| 12 | MIXER | - | B2 |
| 13 | ASSIGN | - | C3 |
| 14 | METRONOME | METRONOME | C#3 |
| 15 | TEMPO - | - | D3 |
| 16 | TEMPO + | - | D#3 |
| 17 | TRANSPOSE - | - | E3 |
| 18 | TRANSPOSE + | - | F3 |
| 19 | SONG REC | SONG REC | F#3 |
| 20 | SONG STOP | - | G3 |
| 21 | SONG PLAY/PAUSE | SONG PLAY/PAUSE (RED, BLUE) | G#3 |
| 22 | SONG REW | - | A3 |
| 23 | SONG FF | - | A#3 |
| 24 | AUTO FILL IN | AUTO FILL IN | B3 |
| 25 | FADE IN/OUT | FADE IN/OUT | C4 |
| 26 | ACMP | ACMP | C#4 |
| 27 | INTRO I | INTRO I (RED, BLUE) | D4 |
| 28 | INTRO II | INTRO II (RED, BLUE) | D#4 |
| 29 | INTRO III | INTRO III (RED, BLUE) | E4 |
| 30 | MAIN VARIATION A | MAIN VARIATION A (RED, BLUE) | F4 |
| 31 | MAIN VARIATION B | MAIN VARIATION B (RED, BLUE) | F#4 |
| 32 | MAIN VARIATION C | MAIN VARIATION C (RED, BLUE) | G4 |
| 33 | MAIN VARIATION D | MAIN VARIATION D (RED, BLUE) | G#4 |
| 34 | BREAK | BREAK (RED, BLUE) | A4 |
| 35 | ENDING/rit. I | ENDING/rit. I (RED, BLUE) | A#4 |
| 36 | ENDING/rit. II | ENDING/rit. II (RED, BLUE) | B4 |
| 37 | ENDING/rit. III | ENDING/rit. III (RED, BLUE) | C5 |
| 38 | SYNC STOP | SYNC STOP | C#5 |
| 39 | SYNC START | SYNC START | D5 |
| 40 | START/STOP | START/STOP (RED, BLUE) | D#5 |
| 41 | CHANNEL ON/OFF | - | E5 |
| 42 | BALANCE | - | F5 |
| 43 | REGIST - | - | F#5 |
| 44 | REGIST + | - | G5 |
| 45 | 1-U | - | G#5 |
| 46 | 2-U | - | A5 |
| 47 | 3-U | - | A#5 |
| 48 | 4-U | - | B5 |
| 49 | 5-U | - | C2 |
| 50 | 6-U | - | C#2 |
| 51 | 7-U | - | D2 |
| 52 | 8-U | - | D#2 |
| 53 | 1-L | - | E2 |
| 54 | 2-L | - | F2 |
| 55 | 3-L | - | F#2 |
| 56 | 4-L | - | G2 |
| 57 | 5-L | - | G#2 |
| 58 | 6-L | - | A2 |
| 59 | 7-L | - | A#2 |
| 60 | 8-L | - | B2 |
| 61 | MENU | - | C3 |
| 62 | FREEZE | FREEZE | C#3 |
| | + | 1 | |
| 63 | MEMORY | - | D3 |

| 順番 | パネルスイッチ表示 | 点灯させるLED | ノート番号 |
|-----|-----------------------|---------------------------|-------|
| 65 | REG. MEMORY 2 | REG. MEMORY 2 (RED, BLUE) | E3 |
| 66 | REG. MEMORY 3 | REG. MEMORY 3 (RED, BLUE) | F3 |
| 67 | REG. MEMORY 4 | REG. MEMORY 4 (RED, BLUE) | F#3 |
| 68 | REG. MEMORY 5 | REG. MEMORY 5 (RED, BLUE) | G3 |
| 69 | REG. MEMORY 6 | REG. MEMORY 6 (RED, BLUE) | G#3 |
| 70 | REG. MEMORY 7 | REG. MEMORY 7 (RED, BLUE) | A3 |
| 71 | REG. MEMORY 8 | REG. MEMORY 8 (RED, BLUE) | A#3 |
| 72 | EXIT | - | В3 |
| 73 | TAB < | - | C4 |
| 74 | TAB > | - | C#4 |
| 75 | -/NO | - | D4 |
| 76 | UP | - | D#4 |
| 77 | +/YES | - | E4 |
| 78 | ENTER | - | F4 |
| 79 | LEFT | - | F#4 |
| 80 | DOWN | - | G4 |
| 81 | RIGHT | - | G#4 |
| 82 | DIRECT ACCESS | - | A4 |
| 83 | PIANO & E.PIANO | - | A#4 |
| 84 | ORGAN & ACCORDION | - | B4 |
| 85 | GUITAR | - | C5 |
| 86 | BASS | - | C#5 |
| 87 | STRING & CHOIR | - | D5 |
| 88 | BRASS | - | D#5 |
| 89 | WOODWIND | - | E5 |
| 90 | SYNTH & PAD | - | F5 |
| 91 | PERC. & DRUMS | - | F#5 |
| 92 | VOICE EXPANSION/USER | - | G5 |
| 93 | MIC SETTING | USB | G#5 |
| 94 | OTS LINK | OTS LINK | A5 |
| 95 | OTS 1 | - | A#5 |
| 96 | OTS 2 | - | B5 |
| 97 | OTS 3 | - | C2 |
| 98 | OTS 4 | - | C#2 |
| 99 | PART SELECT LEFT | PART SELECT LEFT | D2 |
| 100 | PART SELECT RIGHT 1 | PART SELECT RIGHT 1 | D#2 |
| 101 | PART SELECT RIGHT 2 | PART SELECT RIGHT2 | E2 |
| 102 | HARMONY/ARPEGGIO | HARMONY/ARPEGGIO | F2 |
| 103 | SUSTAIN | DSP | F#2 |
| 104 | DSP | VARI. | G2 |
| 105 | SELECT | - | G#2 |
| 106 | MULTI PAD 1 | MULTI PAD 1 (RED, BLUE) | A2 |
| 107 | MULTI PAD 2 | MULTI PAD 2 (RED, BLUE) | A#2 |
| 108 | MULTI PAD 3 | MULTI PAD 3 (RED, BLUE) | B2 |
| 109 | MULTI PAD 4 | MULTI PAD 4 (RED, BLUE) | C3 |
| 110 | STOP | - | C#3 |
| 111 | PART ON/OFF LEFT HOLD | LOWER LEFT HOLD | D3 |
| 112 | PART ON/OFF LEFT | LOWER LEFT | D#3 |
| 113 | PART ON/OFF RIGHT 1 | UPPER RIGHT 1 | E3 |
| 114 | PART ON/OFF RIGHT 2 | UPPER RIGHT 2 | F3 |
| 115 | UPPER OCTAVE - | - | F#3 |
| 116 | UPPER OCTAVE + | - | G3 |

● パネルシート分割チェック1 (PNC シート)

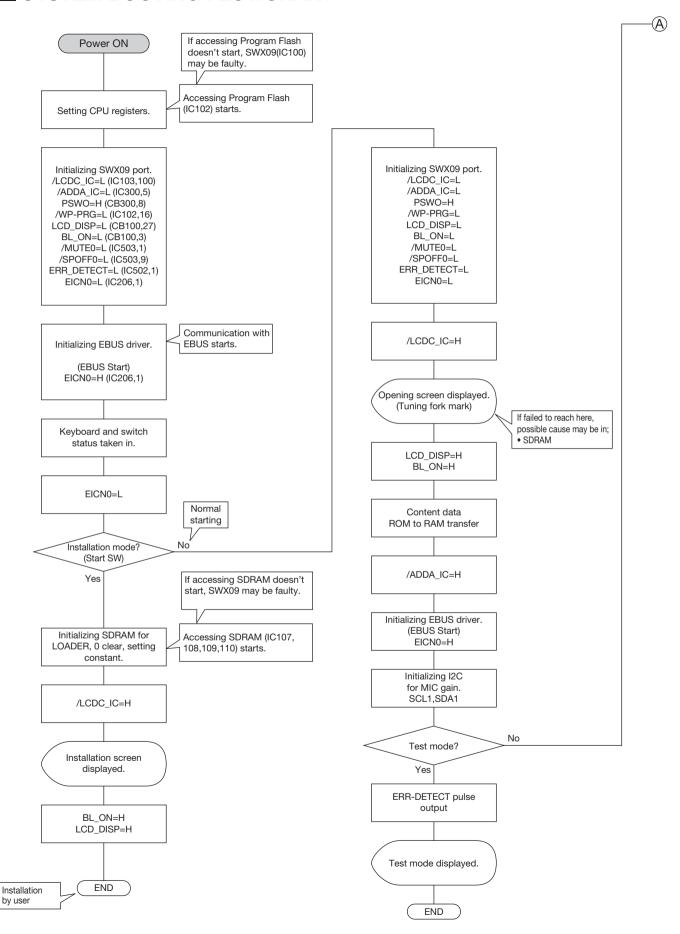
| 1.17 | | F I= 1 | 1,,==1 |
|------|----------------|---------------------------|--------|
| | パネルスイッチ表示 | 点灯させるLED | ノート番号 |
| 1 | CHANNEL ON/OFF | - | E5 |
| 2 | BALANCE | - | F5 |
| 3 | REGIST - | - | F#5 |
| 4 | REGIST + | - | G5 |
| 5 | 1-U | - | G#5 |
| 6 | 2-U | - | A5 |
| 7 | 3-U | - | A#5 |
| 8 | 4-U | - | B5 |
| 9 | 5-U | - | C2 |
| 10 | 6-U | - | C#2 |
| 11 | 7-U | - | D2 |
| 12 | 8-U | - | D#2 |
| 13 | 1-L | - | E2 |
| 14 | 2-L | - | F2 |
| 15 | 3-L | - | F#2 |
| 16 | 4-L | - | G2 |
| 17 | 5-L | - | G#2 |
| 18 | 6-L | - | A2 |
| 19 | 7-L | - | A#2 |
| 20 | 8-L | - | B2 |
| 21 | MENU | - | C3 |
| 22 | FREEZE | FREEZE | C#3 |
| 23 | MEMORY | - | D3 |
| 24 | REG. MEMORY 1 | REG. MEMORY 1 (RED, BLUE) | D#3 |
| 25 | REG. MEMORY 2 | REG. MEMORY 2 (RED, BLUE) | E3 |
| 26 | REG. MEMORY 3 | REG. MEMORY 3 (RED, BLUE) | F3 |
| 27 | REG. MEMORY 4 | REG. MEMORY 4 (RED, BLUE) | F#3 |
| 28 | REG. MEMORY 5 | REG. MEMORY 5 (RED, BLUE) | G3 |
| 29 | REG. MEMORY 6 | REG. MEMORY 6 (RED, BLUE) | G#3 |
| 30 | REG. MEMORY 7 | REG. MEMORY 7 (RED, BLUE) | A3 |
| 31 | REG. MEMORY 8 | REG. MEMORY 8 (RED, BLUE) | A#3 |
| 32 | EXIT | - | В3 |
| 33 | TAB < | - | C4 |
| 34 | TAB > | - | C#4 |
| 35 | -/NO | - | D4 |
| 36 | UP | - | D#4 |
| 37 | +/YES | - | E4 |
| 38 | ENTER | - | F4 |
| 39 | LEFT | - | F#4 |
| 40 | DOWN | - | G4 |
| 41 | RIGHT | - | G#4 |
| | I. | l | |

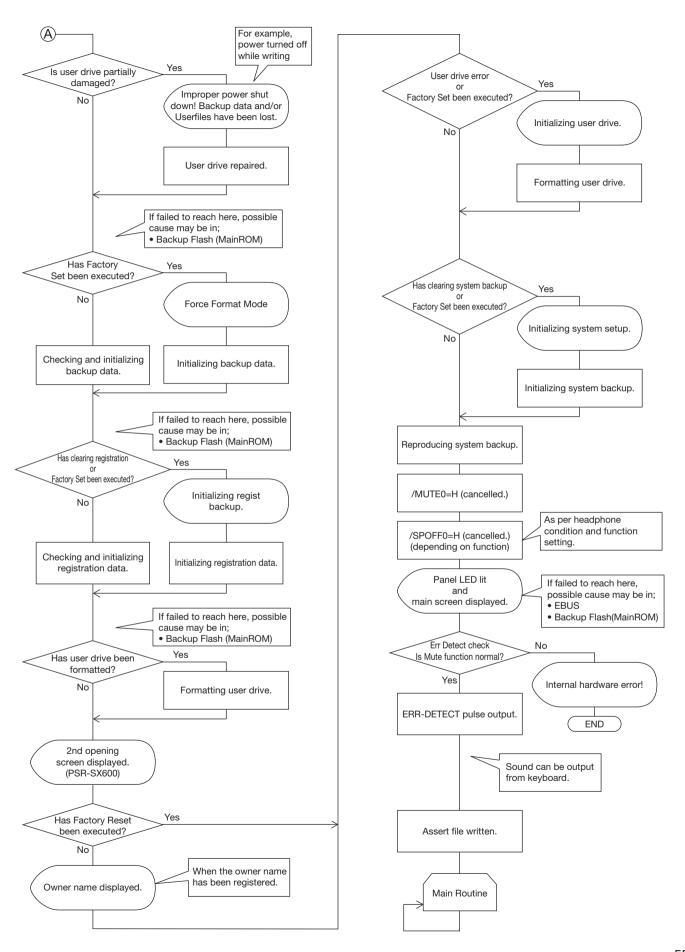
● パネルシート分割チェック2(PNR+PNL シート)

| 順番 | パネルスイッチ表示 | 点灯させるLED | ノート番号 |
|----|----------------------|----------|-------|
| 1 | DIRECT ACCESS | - | A4 |
| 2 | PIANO & E.PIANO | - | A#4 |
| 3 | ORGAN & ACCORDION | - | B4 |
| 4 | GUITAR | - | C5 |
| 5 | BASS | - | C#5 |
| 6 | STRING & CHOIR | - | D5 |
| 7 | BRASS | - | D#5 |
| 8 | WOODWIND | - | E5 |
| 9 | SYNTH & PAD | - | F5 |
| 10 | PERC. & DRUMS | - | F#5 |
| 11 | VOICE EXPANSION/USER | - | G5 |
| 12 | MIC SETTING | USB | G#5 |
| 13 | OTS LINK | OTS LINK | A5 |
| 14 | OTS 1 | - | A#5 |
| 15 | OTS 2 | - | B5 |
| 16 | OTS 3 | - | C2 |
| 17 | OTS 4 | - | C#2 |

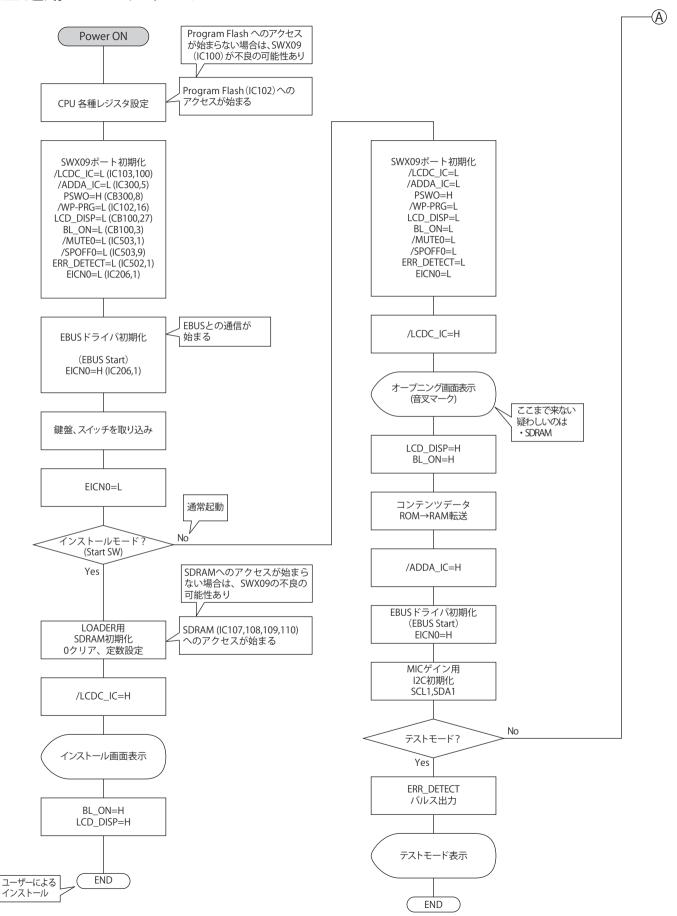
| 順番 | パネルスイッチ表示 | 点灯させるLED | ノート番号 |
|----|-----------------------|------------------------------|-------|
| 18 | PART SELECT LEFT | PART SELECT LEFT | D2 |
| 19 | PART SELECT RIGHT 1 | PART SELECT RIGHT 1 | D#2 |
| 20 | PART SELECT RIGHT 2 | PART SELECT RIGHT2 | E2 |
| 21 | HARMONY/ARPEGGIO | HARMONY/ARPEGGIO | F2 |
| 22 | SUSTAIN | DSP | F#2 |
| 23 | DSP | VARI. | G2 |
| 24 | SELECT | - | G#2 |
| 25 | MULTI PAD 1 | MULTI PAD 1 (RED, BLUE) | A2 |
| 26 | MULTI PAD 2 | MULTI PAD 2 (RED, BLUE) | A#2 |
| 27 | MULTI PAD 3 | MULTI PAD 3 (RED, BLUE) | B2 |
| | MULTI PAD 4 | MULTI PAD 3 (RED, BLUE) | |
| 28 | | MOLTI PAD 4 (NED, BLOE) | C3 |
| 29 | STOP | LOWER LEET LIGHT | C#3 |
| 30 | PART ON/OFF LEFT HOLD | LOWER LEFT HOLD | D3 |
| 31 | PART ON/OFF LEFT | LOWER LEFT | D#3 |
| 32 | PART ON/OFF RIGHT 1 | UPPER RIGHT 1 | E3 |
| 33 | PART ON/OFF RIGHT 2 | UPPER RIGHT 2 | F3 |
| 34 | UPPER OCTAVE - | - | F#3 |
| 35 | UPPER OCTAVE + | - | G3 |
| 36 | RESET/TAP TEMPO | - | C2 |
| 37 | POP & ROCK | - | C#2 |
| 38 | DANCE & R&B | - | D2 |
| 39 | LATIN & JAZZ | - | D#2 |
| 40 | COUNTRY & BALLROOM | - | E2 |
| 41 | ENTERTAINMENT | - | F2 |
| 42 | WORLD | - | F#2 |
| 43 | STYLE EXPANSION/USER | - | G2 |
| 44 | SONG FUNCTION | _ | G#2 |
| 45 | USB AUDIO PLAYER | _ | A2 |
| | | _ | |
| 46 | PLAYLIST | - | A#2 |
| 47 | MIXER | - | B2 |
| 48 | ASSIGN | - LIETPONOL: | C3 |
| 49 | METRONOME | METRONOME | C#3 |
| 50 | TEMPO - | - | D3 |
| 51 | TEMPO + | - | D#3 |
| 52 | TRANSPOSE - | - | E3 |
| 53 | TRANSPOSE + | - | F3 |
| 54 | SONG REC | SONG REC | F#3 |
| 55 | SONG STOP | - | G3 |
| 56 | SONG PLAY/PAUSE | SONG PLAY/PAUSE (RED, BLUE) | G#3 |
| 57 | SONG REW | - | A3 |
| 58 | SONG FF | - | A#3 |
| 59 | AUTO FILL IN | AUTO FILL IN | В3 |
| 60 | FADE IN/OUT | FADE IN/OUT | C4 |
| 61 | ACMP | ACMP | C#4 |
| 62 | INTRO I | INTRO I (RED, BLUE) | D4 |
| 63 | | INTRO II (RED, BLUE) | |
| | INTRO II | , , , | D#4 |
| 64 | INTRO III | INTRO III (RED, BLUE) | E4 |
| 65 | MAIN VARIATION A | MAIN VARIATION A (RED, BLUE) | F4 |
| 66 | MAIN VARIATION B | MAIN VARIATION B (RED, BLUE) | F#4 |
| 67 | MAIN VARIATION C | MAIN VARIATION C (RED, BLUE) | G4 |
| 68 | MAIN VARIATION D | MAIN VARIATION D (RED, BLUE) | G#4 |
| 69 | BREAK | BREAK (RED, BLUE) | A4 |
| 70 | ENDING/rit. I | ENDING/rit. I (RED, BLUE) | A#4 |
| 71 | ENDING/rit. II | ENDING/rit. II (RED, BLUE) | B4 |
| 72 | ENDING/rit. III | ENDING/rit. III (RED, BLUE) | C5 |
| 73 | SYNC STOP | SYNC STOP | C#5 |
| 74 | SYNC START | SYNC START | D5 |
| | START/STOP | START/STOP (RED, BLUE) | D#5 |

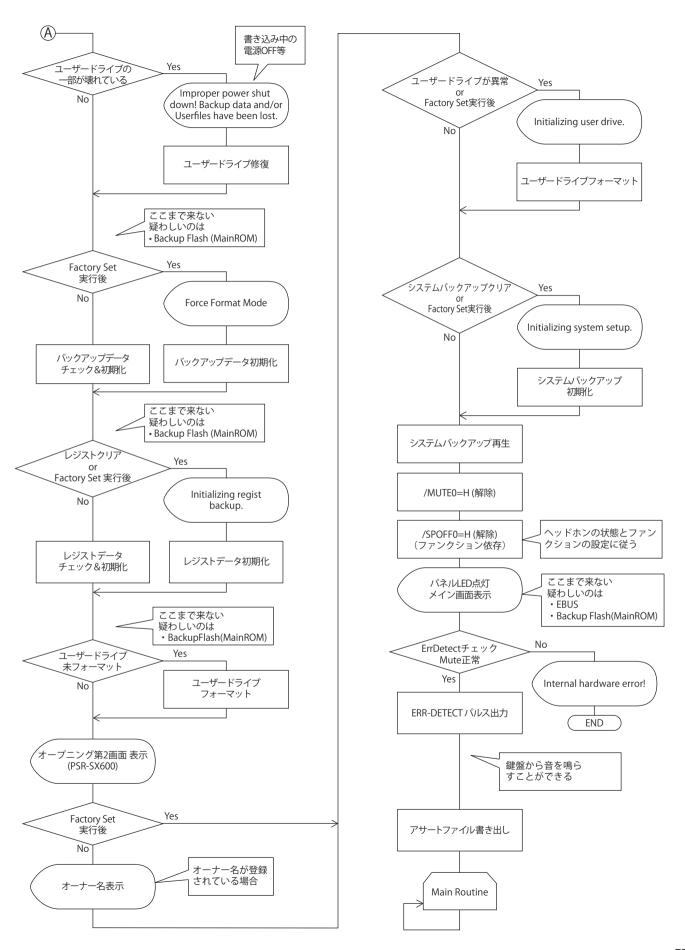
■ SYSTEM BOOTING FLOWCHART





■起動フローチャート





■ DM CIRCUIT BOARD CHECK METHOD

The DM Circuit Board is provided with test points for service check purposes. Check the test points on the DM Circuit Board if the following symptoms appear.

Symptoms and check items

- ① The LCD does not light up with Power SW ON --> Test Point 1 to 6 sequentially.
- ② No sound or distorted sound --> Test Point 7 to 12, and output check items from 1 to 6 an applicable output.

Test Point

| NO. | Test Point | Circuit | Judgment criteria | Measured by | GND Terminals | Parts with possible defects |
|-----|------------|-----------------------------------|--|----------------|---------------|------------------------------------|
| 1 | +16V | 16V power for DM Circuit Board | 15.2 to 16.8V | Multimeter | DGND | Q100,Q101 (On JK Circuit Board) |
| 2 | +5D | 5 V power for digital circuit | 5.05 to 5.25V | Multimeter | DGND | IC504 |
| 3 | +3.3D | 3.3 V power for digital circuit | 3.27 to 3.40V | Multimeter | DGND | IC504 |
| 4 | +1.5D | 1.5 V power for digital circuit | 1.48 to 1.52V | Multimeter | DGND | IC101 |
| (5) | +1.2D | 1.2 V power for digital circuit | 1.16 to 1.22V | Multimeter | DGND | IC507 |
| 6 | /RESET | CPU & memory reset signal | 3.3V+/-0.3V | Multimeter | DGND | IC104 |
| 7 | +12A | +12V power for analog circuit | 11.7 to 12.3V | Multimeter | AGND | IC500 |
| 8 | +5A | +5V power for analog circuit | 4.92 to 5.08V | Multimeter | AGND | IC506 |
| 9 | DACL+ | DAC output signal Lch | Audio is output and there is no distortion | Signal Checker | AGND | IC300 |
| 10 | DACL- | DAC output signal Lch | Audio is output and there is no distortion | Signal Checker | AGND | IC300 |
| 11) | DACR+ | DAC output signal Rch | Audio is output and there is no distortion | Signal Checker | AGND | IC300 |
| 12) | DACR- | DAC output signal Rch | Audio is output and there is no distortion | Signal Checker | AGND | IC300 |

Use the standard AC adapter PA-300C for check operation.

Output terminal check

| NO. | SPEAKER | PHONES | OUTPUT | Parts with possible defects | | |
|-----|---------|--------|--------|-------------------------------|--|--|
| 1 | × | × | × | IC100 or Error Detect Circuit | | |
| 2 | 0 | × | × | IC300 | | |
| 3 | × | 0 | 0 | IC307 or HP JACK | | |
| 4 | 0 | 0 | × | IC306 | | |
| 5 | 0 | × | 0 | IC305 | | |

[&]quot;O" mark expresses normalcy and "x" mark expresses a failed state.

■ DM シート チェック方法

DM Circuit Board にはサービスチェック用の Test Point を設けてあります。 下記の症状により DM シートのテストポイントを確認してください。

症状により以下の箇所を確認する

- ①電源を入れても LCD が点灯しない ⇒ テストポイントチェック ①~⑥を順番に確認する。
- ②音が出ない、音が歪む ⇒ テストポインチェック ⑦~⑫を確認し、出力端子チェック 1~6を確認する。

テストポイントチェック

| , , , | X1842171717 | | | | | | |
|-------|-------------|-------------------|-------------------|-----------|---------|------------------|--|
| NO. | テスト ポイント | 回路 | 判定基準 | 測定器具 | 測定GND端子 | 不良が疑われる部品 | |
| 1 | +16V | DMシート用16V電源 | 15.2V ~ 16.8V | テスター | DGND | JKシート: Q100,Q101 | |
| 2 | +5D | デジタル回路用5.0V電源 | 5.05V ~ 5.25V | テスター | DGND | IC504 | |
| 3 | +3.3D | デジタル回路用3.3V電源 | 3.27V ∼ 3.40V | テスター | DGND | IC504 | |
| 4 | +1.5D | デジタル回路用1.5V電源 | 1.48V ~ 1.52V | テスター | DGND | IC101 | |
| (5) | +1.2D | デジタル回路用1.2V電源 | 1.16V ~ 1.22V | テスター | DGND | IC507 | |
| 6 | /RESET | CPU, メモリーReset 信号 | $3.3V \pm 0.3V$ | テスター | DGND | IC104 | |
| 7 | +12A | アナログ回路用+12V 電源 | 11.7V ~ 12.3V | テスター | AGND | IC500 | |
| 8 | +5A | アナログ回路用 +5V 電源 | 4.92V ~ 5.08V | テスター | AGND | IC506 | |
| 9 | DACL+ | DAC 出力信号Lチャンネル | 音声が出力され かつ歪無き事 | シグナルチェッカー | AGND | IC300 | |
| 10 | DACL- | DAC 出力信号Lチャンネル | 音声が出力され かつ歪無き事 | シグナルチェッカー | AGND | IC300 | |
| 11) | DACR+ | DAC 出力信号Rチャンネル | 音声が出力され かつ歪無き事 | シグナルチェッカー | AGND | IC300 | |
| 12 | DACR- | DAC 出力信号Rチャンネル | 音声が出力され かつ歪無き事 | シグナルチェッカー | AGND | IC300 | |

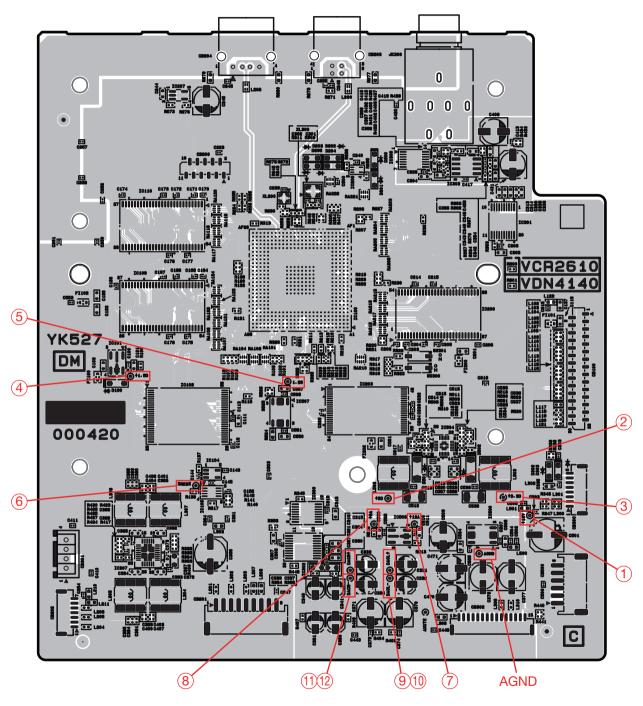
チェック作業時は標準のACアダプターPA-300Cを使用します。

出力端子チェック

| NO. | スピーカ―出力 | ヘッドホン出力 | OUTPUT 出力 | 不良が疑われる部品 | | | | |
|-----|---------|---------|-----------|-------------------------|--|--|--|--|
| 1 | × | × | × | IC100またはError Detect 回路 | | | | |
| 2 | 0 | × | × | IC300 | | | | |
| 3 | × | 0 | 0 | IC307またはHP JACK | | | | |
| 4 | 0 | 0 | × | IC306 | | | | |
| 5 | 0 | × | 0 | IC305 | | | | |

表中の"○"は異常なし、"×"は出力なしを表す。

DM Circuit Board (VCR26100)



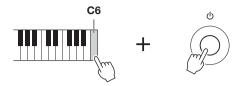
Component side (部品部)

■ RESETTING TO THE FACTORY-PROGRAMMED SETTINGS

While holding the right-most key (C6) on the keyboard, turn the power on. This resets the settings of the entire instrument (referred to as the System Setup parameters) to their factory default settings. Refer to the "Parameter Chart" in the Data List on the website for details about which parameters belong to System Setup.

NOTE

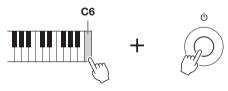
The recorded Songs, Expansion Packs, and other files saved to this instrument are not reset by this operation.



You can also reset specified settings to the factory default value or delete all files/folders in the User drive. Call up the operation display: $[MENU] \rightarrow TAB$ $[\blacktriangleright]$ Menu $2 \rightarrow Cursor$ buttons $[\blacktriangle]$ $[\blacktriangledown]$ $[\blacktriangleright]$ System \rightarrow $[ENTER] \rightarrow TAB$ $[\blacktriangleright]$ Reset. For details, refer to the Reference Manual on the website, Chapter 10.

■ 設定を工場出荷時の状態に戻す(初期化)

いちばん右の鍵盤(C6)を押しながら電源を入れます。言語設定、オーナーネーム(リファレンスマニュアル参照)を除く設定が工場出荷時の状態に戻ります。 初期化される設定項目は、ウェブサイト上のデータリスト「パラメーターチャート」のSystem Setup(システムセットアップ)の欄をご覧ください。



NOTE

自分で録音したソングや、 インストールして追加した エクスパンションのデータ などは、この操作では初期化 されません。

一部の設定だけを工場出荷時の状態に戻したり、User(ユーザー) メモリーのファイル / フォルダーを削除したりすることもできます。([MENU] (メニュー) → TAB(タブ)[▶] Menu2(メニュー 2) → カーソルボタン [▲] [▼] [◀] [▶] System(システム) → [ENTER](決定) → TAB[▶] Reset(リセット))。詳しくは、ウェブサイト上のリファレンスマニュアル (10章) をご覧ください。

DATA BACKUP

You can back up all data saved in the User drive (except Protected Songs and Expansion Voices/Styles) and all settings of the instrument to a USB flash drive as a single file.

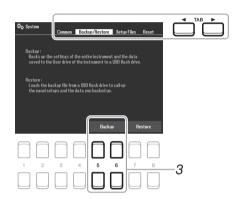
Connect a USB flash drive to the [USB TO DEVICE] terminal for the backup destination.

NOTE

You can also back up files in the User drive such as Voice, Song, Style, Multi Pad and Registration Memory by copying them individually to a USB flash drive as desired.

2 Call up the operation display.

[MENU] → TAB [\blacktriangleright] Menu 2 → Cursor buttons [\blacktriangle] [\blacktriangledown] [\blacktriangleright] System → [ENTER] → TAB [\blacktriangleleft] [\blacktriangleright] Backup/Restore



NOTE

You can also back up System settings, MIDI settings, individually as desired. Call up the operation display:[MENU] → Menu 2 → System → Setup Files. For more information, refer to the Reference Manual on the website, Chapter 10.

3 Use the [5 ▲▼]/[6 ▲▼] buttons to save the data to the USB flash drive.

When confirmation messages appear, follow the on-display instructions. Backup file: PSR-SX600.bup

NOTE

Completing the backup/restore operation may take a few minutes.

Restoring the Backup File

To do this, press the $[7 \ \ \ \ \ \ \]/[8 \ \ \ \ \ \]$ (Restore) buttons in the Backup/Restore page (see above). When confirmation messages appear, follow the on display instructions. When the operation is completed, the instrument will be restarted automatically.

NOTICE

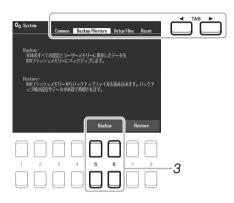
Move the Protected Songs (saved to the User drive) to USB flash drive before restoring. If the Songs are not moved, the operation deletes the data.

■データのバックアップ

本体のUSER(ユーザー)メモリー内のすべてのデータ(プロテクトソング、エクスパンションボイス/スタイルを除く)とすべての設定を、バックアップファイルとしてUSBフラッシュメモリーに保存できます。

- 1 バックアップ先のUSBフラッシュメモリーを[USB TO DEVICE]端子に接続します。
- 2 設定画面を表示させます。

[MENU](メニュー) → TAB(タブ)[▶] Menu2(メニュー2) →カーソルボタン [▲][▼][◀][▶] System(システム) → [ENTER](決定) →TAB[◀][▶] Backup/Restore(バックアップ/リストア)



3 [5 ▲▼]/[6 ▲▼] (Backup)ボタンで、バックアップ先のフラッシュメモリーに保存します。

バックアップファイル名:PSR-SX600.bup

ボイス、ソング、スタイル、マルチパッド、レジストレーションメモリーについては、ファイルごとにUSBフラッシュメモリーにコピーすることで、個別にバックアップとして保存できます。

NOTE

システムファイル、MIDIテンプレート、エフェクトは、以下の画面で、個別にバックアップとして保存できます。 [MENU](メニュー)→Menu2(メニュー 2)→ System(システム)→[ENTER](決定)→Setup Files (セットアップファイル)詳しくは、ウェブサイト上のリファレンスマニュアルをご覧ください。

NOTE

バックアップ/リストアは、 完了するのに数分かかりま す。

バックアップファイルの再読み込み(リストア)

バックアップしたデータを楽器にリストアする際は、Backup/Restore(バックアップ/リストア)画面(上記参照)で[7 ▲▼]/[8 ▲▼] (Restore)ボタンを押します。楽器が自動的に再起動します。

注記

リストアをする前に、本体のUser(ユーザー)に保存されているプロテクトソングをUSBフラッシュメモリーに移動させてください。移動をさせない場合、リストアによってこれらのデータは消えてしまいます。

■ VERSION UPGRADE

Download the version upgrade program from the Yamaha official website.

List of the updating Flash ROM

| Main Program | IC102 (DM) |
|--------------|-------------------|
| Wave Data | IC202, IC203 (DM) |

● File name · PSR-SX600SETUP.PRG

How to Install

Never turn the instrument off while installing.

It may break the boot Flash ROM device.

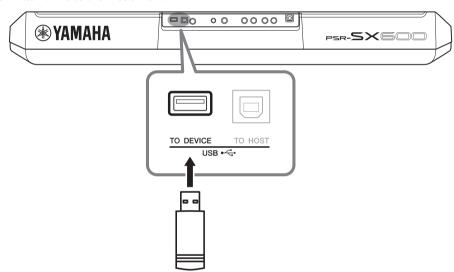


Particularly, turning off the power immediately after starting installation may cause damage to the boot.

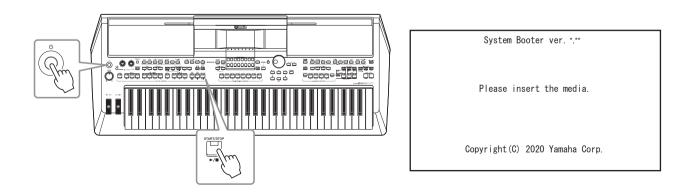
If operation still fails even after re-installation, the DM circuit board must be replaced.

Never pull off the USB flash drive from the instrument while installing.

1 Insert the USB flash drive to the instrument.



While holding down the [START/STOP] button, press the [ტ] (Standby/On) switch to start up installation mode.



* Follow the display on the LCD for this operation.

3 Press the [START/STOP] button to start the installations.

Program Installer ver. *.**

To start installation,
Please press the [START/STOP] button.

To delete the update program,
Please press the [BREAK] button.

- Notice
Do not turn off the power until
all installations are finished.

Copyright(C) 2020 Yamaha Corp.

4 Press the [START/STOP] button again.

Program Installer ver. *.**

The update program is "ver. ***",

Are you sure you want to update?

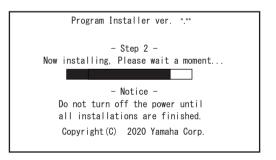
YES => Press the [START/STOP] button.

No => Press the [BREAK] button.

- Notice
Do not turn off the power until
all installations are finished.

Copyright(C) 2020 Yamaha Corp.

A progress bar for installation will appear.



 $\mathbf{6}$ When the installation is complete, the following message appears with a new firmware version.

Program Installer ver. *.**

Updating has been completed.

The version of the installed program is "***."

- Notice
Do not turn off the power until all installations are finished.

Copyright(C) 2020 Yamaha Corp.

7 Press the [ψ] (Standby/On) switch to turn the power off. Remove the USB flash drive from the instrument.

■バージョンアップ

ヤマハホームページからバージョンアッププログラムをダウンロードしてください。

● 書き換え Flash 一覧

| Main Program | IC102 (DM) |
|--------------|-------------------|
| Wave Data | IC202, IC203 (DM) |

● ファイル名 · PSR-SX600SETUP.PRG

● インストール手順

作業中に電源を切らないでください。

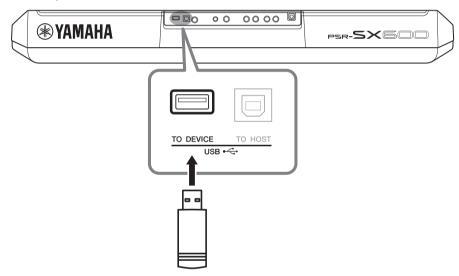


特に、インストール開始直後に電源を切るとブートが壊れる恐れがあります。

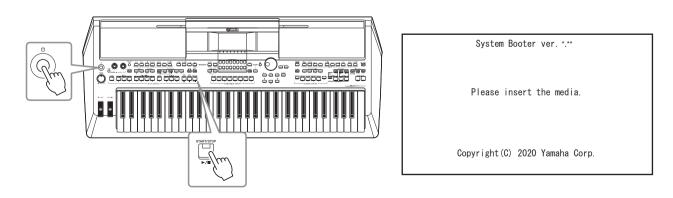
再度インストールを行っても動作しない場合は、DM シートの交換が必要です。

作業中に USB フラッシュメモリーを抜かないでください。

USB フラッシュメモリーを本体に挿入します。 楽器の [USB TO DEVICE] 端子に、書き換え用データー式が入った USB フラッシュメモリーを挿入してください。



2 インストールモードで起動します。 [スタート / ストップ] ボタンを押しながら、電源を投入してください。 この作業中の画面表示は英語となります。



※表示画面にしたがって作業を進めてください。

3 [スタート/ストップ] ボタンを押して、インストールを開始します。

Program Installer ver. ***
To start installation,
Please press the [START/STOP] button.

To delete the update program, Please press the [BREAK] button.

- Notice -

Do not turn off the power until all installations are finished. Copyright(C) 2020 Yamaha Corp.

4 実行するか確認されるので、再度 [スタート / ストップ] ボタンを押します。

Program Installer ver. *.**
The update program is "ver.***",
Are you sure you want to update?
YES => Press the [START/STOP] button.
No => Press the [BREAK] button.

- Notice -

Do not turn off the power until all installations are finished. Copyright(C) 2020 Yamaha Corp.

5 インストールが開始されます。

Program Installer ver. *.**

- Step 2 - Now installing, Please wait a moment...

- Notice Do not turn off the power until
all installations are finished.
Copyright(C) 2020 Yamaha Corp.

インストールが終了します。

Program Installer ver. *.**

Updating has been completed.

The version of the installed program is "***".

- Notice -

Do not turn off the power until all installations are finished. Copyright(C) 2020 Yamaha Corp.

7 本体の電源を落としてください。

SR-SX **PARTS LIST**

■ CONTENTS (目次)

| OVERALL ASSEMBLY (総組立) | . 2 |
|--------------------------------------|-----|
| UPPER CASE ASSEMBLY (上ケース Ass'y) | . 4 |
| LOWER KEY BED ASSEMBLY(下ケース鍵盤 Ass'y) | . 6 |
| KEYBOARD ASSEMBLY(16N-C61 鍵盤) | . 8 |
| ELECTRICAL PARTS (電気部品)9- | 13 |

Notes: DESTINATION ABBREVIATIONS

A: Australian model Chinese model South-east Asia model B: British model Taiwan model C: Canadian model U: U.S.A. model D: German model General export model (110V) E: European model W: General export model (220V) F: French model N,X: General export model H: North European model Export model I : Indonesian model Korean model K: J: Japanese model

South African model M: Brazilian model Indian model

■ WARNING

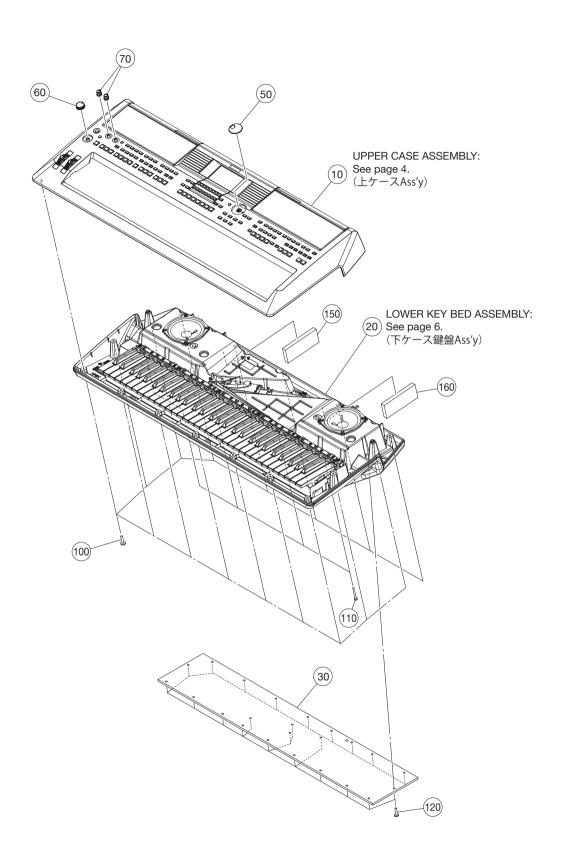
M: South African model

Components having special characteristics are marked extstyle extstyle

⚠ 印の部品は、安全を維持するために重要な部品です。交換する場合は、安全のために必ず指定の部品を ご使用ください。

- The numbers "QTY" show quantities for each unit.
- The parts with "--" in "PART NO." are not available as spare parts.
- This mark "}" in the REMARKS column means these parts are interchangeable.
- The second letter of the shaded () part number is O, not zero.
- The second letter of the shaded () part number is I, not one.
- ・QTY 欄に記されている数字は、各ユニット当たりの使用個数です。 ・PART NO. が "--" の部品は、サービス用部品として準備されておりません。
- ・REMARKS 欄の「}」マークの部品は、併用部品です。
- ・網掛けの付いた PART NO. の2番目の文字は「ゼロ」ではなく、「オー」です。
- ・網掛けの付いた PART NO. の2番目の文字は「イチ」ではなく、「アイ」です。

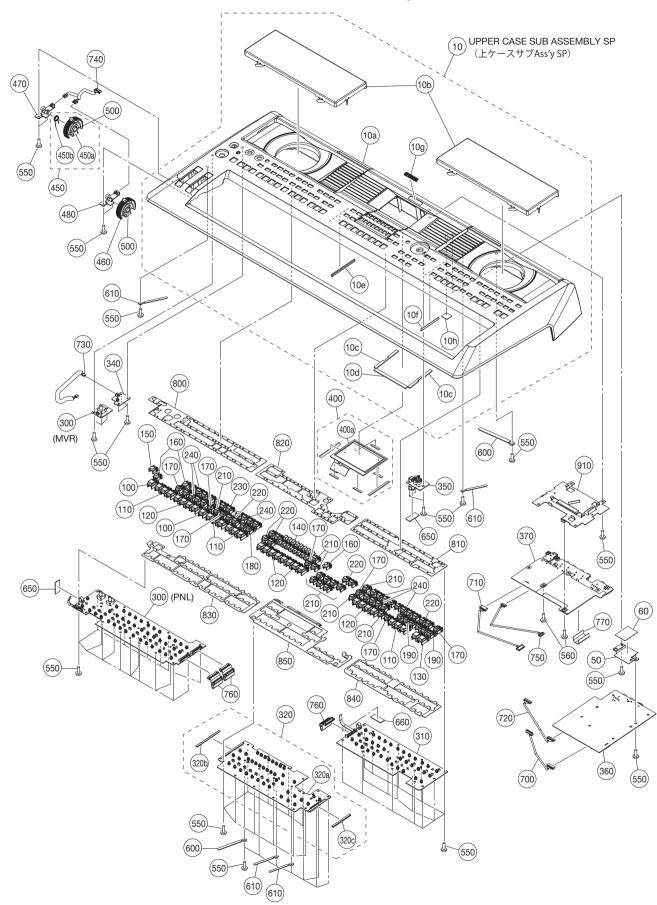
■ OVERALL ASSEMBLY(総組立)



| REF NO. | PART NO. | DESCRIPTION | | 部 | 品 | 名 | REMARKS | QTY |
|----------|----------|---------------------------|----------------------|----------|---|----------|-----------------------------------|-----|
| | | OVERALL ASSEMBLY | | 総 | 組 | <u> </u> | | |
| İ | | OVERALL ASSEMBLY | OTHER | 総 | 組 | <u> </u> | J,U,E,B,K,O,Y,A,P,Z (VDE6950) | |
| 1 | | OVERALL ASSEMBLY | INA | 総 | 組 | 立 | (VDQ2320) | |
| 10 | | UPPER CASE ASSEMBLY | OTHER | 上ヶ | - ス A s | s'y | J,U,E,B,K,O,Y,A,P,Z (VDE6960) | |
| 10 | | UPPER CASE ASSEMBLY | INA | 上ヶ | - ス A s | s'y | (VDQ2330) | |
| 20 | | LOWER KEY BED ASSEMBLY | | | - ス鍵盤As | | (VDF0510) | |
| 30 | | BOTTOM BOARD | PK | 底 | · · › › · · · · · · · · · · · · · · · · | 板 | (ZN46430) | |
| 50 | ZA394100 | ENCODER KNOB | | | コーダツ | | (=:::::) | |
| 60 | | VOLUME KNOB | COMMON | - 1 | ュームツ | | | |
| 70 | | VOLUME KNOB | COMMICIA | V | $R \int$ | ・ブ | | 2 |
| 100 | | BIND HEAD TAPPING SCREW-B | 3.0X12 MFZN2W3 | | ''' / '' / ' | | | 16 |
| 110 | 1 | BIND HEAD TAPPING SCREW-B | 3.0X30 MFZN2W3 | | 1 | | | 4 |
| | 1 | | | 1 | | | | 23 |
| 120 | | BIND HEAD TAPPING SCREW-B | 4.0X16 MFZN2W3 | | イト+BI 『 ン ジ | | LOWED CASE OUR ASSEMBLY (ZDOESOS) | |
| 150 | - | SPONGE L | | ^ " | | L | LOWER CASE SUB ASSEMBLY (ZR25220) | |
| 100 | | ODONOE D | _ | <u> </u> | 10 \ \ | | exchange:Peel off and use. | |
| 160 | - | SPONGE R | | ス オ | ぱ ン ジ | R | , | |
| | | | | | | | exchange:Peel off and use. | |
| | | | | | _ | | | |
| | | ACCESSORIES | | 付一 | 属 | 品 | | |
| | | MUSIC REST WITH BAG | BLACK | 譜面 | | 入り | | |
| * | 1 | AC ADAPTOR | PA-300C COMMON | A C | アダプ | | | |
| | WY730200 | POWER SUPPLY CORD | E | 電 | 源 コ ー | | E,I | 1 |
| | WW997901 | POWER SUPPLY CORD | В | | 源 コ ー | | В | |
| | WY730100 | POWER SUPPLY CORD | U | | 源 コ ー | ・ド | U | |
| | WW998100 | POWER SUPPLY CORD | K | 電 | 源 コ ー | ド | κ | |
| | | POWER SUPPLY CORD | BRA | | 原 コ ー | | P | 1 |
| | 1 | POWER SUPPLY CORD | AUS | | 源 コ ー | | A | |
| İ | | POWER SUPPLY CORD | J | | 源 コ ー | | J | |
| | | POWER SUPPLY CORD | CHN | | 源 コ ー | | 0 | |
| | | POWER SUPPLY CORD | IN 2P 2.5A 1.8M 25 | 1 | 源 コ ー | | Z (ZT27170) | |
| * | 7T272100 | CORD POWER SUPPLY | IN 2P 2.5A 1.8M 25 | | - 源 コ - | | Z (2127170) | |
| * | 1 | JAPANESE SHEET SET | 114 21 2.5% 1.014 25 | 1 | ッコシート袋 | | J | |
| * | 1 | | | | | | 1 - | |
| * | VDF55500 | CHINESE SHEET SET | | 4 × | シート袋 | A 1) | 0 | |
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^{*:} New Parts

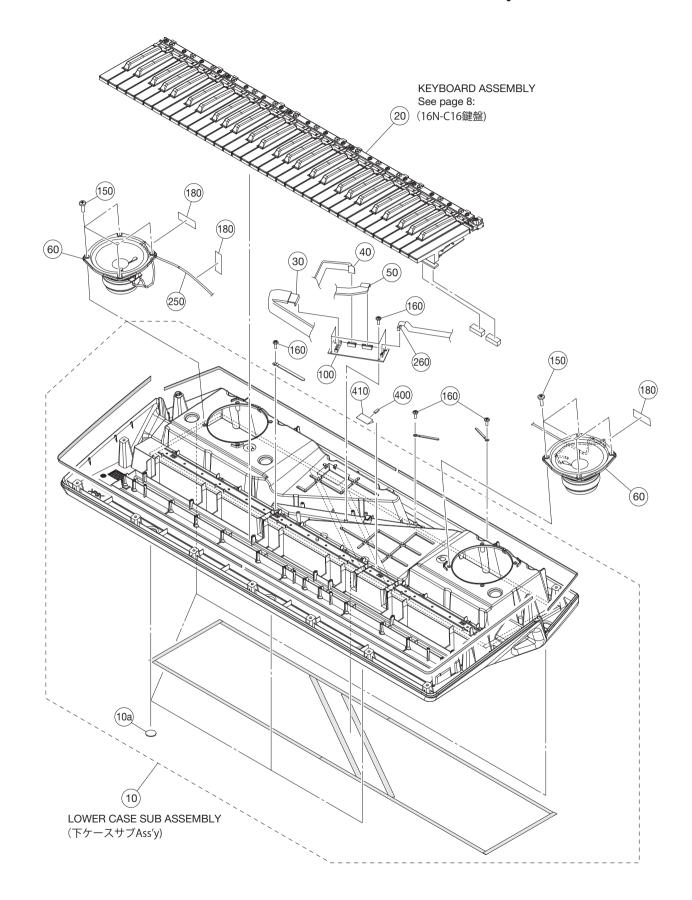
■ UPPER CASE ASSEMBLY (上ケースAss'y)



| ŀ | REF NO. | PART NO. | DESCRIPTION | | 部 品 名 REMARKS | QTY |
|-----|--------------|----------------------|--|-------------------------------------|--|-----|
| | | | UPPER CASE ASSEMBLY | OTHER | 上 ケ - ス A s s ' y PSR-SX600 | |
| | | | UPPER CASE ASSEMBLY | OTHER | 上 ケ - ス A s s ' y J,U,E,B,K,O,Y,A,P,Z (VDE6960) | |
| * | 10 | VDX36300 | UPPER CASE ASSEMBLY UPPER CASE SUB ASSEMBLY SP | INA | $oxedsymbol{\perp} \mathcal{L} \mathcal{F} - \mathcal{A} \mathbf{A} \mathbf{S} \mathbf{S}' \mathbf{y} \mathbf{I}$ (VDQ2330) $oxedsymbol{\perp} \mathcal{L} \mathcal{F} - \mathcal{A} \mathcal{F} \mathcal{I} \mathbf{A} \mathbf{S} \mathbf{S}' \mathbf{y} \mathbf{S} \mathbf{P}$ | |
| İ | 10 10a | | UPPER CASE FINISHED | | エケースサフASS | |
| ŀ | 10b | | SPEAKER GRILLE ASSEMBLY | PK | S P グリル A s s ' y (ZR38340) | 2 |
| ı | 10c | | LCD CUSHION | | L C D クッション (VDC2420) | 2 |
| ı | 10d | | DUST PROOF CUSHION | | 防 塵 フ ォ ー ム (VDC2430) | |
| | 10e | | NONWOVEN CLOTH | 72X10X0.35 BLACK | 不 織 布 (ZP52870) | |
| ı | 10f | | NONWOVEN CLOTH | 55X10X0.35 BLACK | 不 織 布 (ZP52880) | |
| ľ | 10h | | NONWOVEN CLOTH | 20X20X0.35 | 不 織 布 (ZJ32790) | |
| | 10g | | LOGO SHEET PSR-S650 | PT | ロ ゴ シ ー ト (WW73320) | |
| | 50 | | DM SHIELD COVER | | $ D M \hat{\nu} - \nu \hat{r} + n \hat{r} - $ (ZP50420) | |
| | 60 | | NONWOVEN FABRIC CLOT | 40X31X0.5 | 不 織 布 (WG31980) | |
| * | 100 | VDA55200 | BUTTON A QUAD | LIGHT GRAY | ボタンA 4 連 Please cut and use. | 4 |
| * | 110 | | BUTTON A QUAD | LIGHT GRAY | ボ タ ン A 4 連 Please cut and use. | 4 |
| * | 120 | | BUTTON A QUAD | LIGHT GRAY | ボ タ ン A | 4 |
| - 1 | 130 140 | | BUTTON A QUAD BUTTON C x16 | LIGHT GRAY DARK GRAY | ボ タ ン A | |
| | 150 | | BUTTON C X16 | DARK GRAY | ボ タ ン D | |
| | 160 | | BUTTON E x1 | DARK GRAY | T | 3 |
| * | 170 | | BUTTON F QUAD | LIGHT GRAY | ボータン F 4 連 Please cut and use. | 7 |
| * | 180 | | BUTTON F QUAD | LIGHT GRAY | ボ タ ン F 4 連 Please cut and use. | |
| * | 190 | | BUTTON F QUAD | LIGHT GRAY | ボ タ ン F 4 連 Please cut and use. | 2 |
| | 210 | ZN550400 | BUTTON QUAD | DARK GRAY | ボ タ ン G 4 連 Please cut and use. | 13 |
| ľ | 220 | ZN550400 | BUTTON QUAD | DARK GRAY | ボ タ ン G 4 連 Please cut and use. | 5 |
| | 230 | | BUTTON QUAD | DARK GRAY | ボ タ ン G 4 連 Please cut and use. | |
| | 240 | | BUTTON QUAD | DARK GRAY | ボ タ ン G 4 連 Please cut and use. | 6 |
| * | 300 | VDE57300 | | PNL | P C B P N L | |
| * | 310 | VDE57400 | CIRCUIT BOARD | PNR | P C B P N R | |
| * | 320 | VDX36200 | CIRCUIT BOARD ASSEMBLY | PNC | PCB PNC SP | |
| | 320a 320b | | CIRCUIT BOARD NONWOVEN CLOTH | PNC 72X10X0.35 BLACK | P C B P N C (VCR2650) 不 織 布 (ZP52870) | |
| | 3200 320c | | NONWOVEN CLOTH | 55X10X0.35 BLACK | 不 織 布 (ZP52870) 不 織 布 (ZP52880) | |
| * | 340 | VDE57500 | CIRCUIT BOARD | PWS | P C B P W S | |
| * | 350 | VCR35800 | CIRCUIT BOARD | ENC | P C B E N C | |
| * | 360 | VCR26100 | CIRCUIT BOARD | DM OTHER | P C B D M J,U,E,B,K,O,Y,A,P,Z | |
| l | 360 | | CIRCUIT BOARD | DM INA | P C B D M I (VDN4140) | |
| * | 370 | VCR26200 | CIRCUIT BOARD | JK | P C B J K | |
| * | 400 | VDE70100 | LCD SUB ASSEMBLY | | LCD S-Ass'y | |
| ľ | 400a | | CRYSTAL DISPLAY | M043GW32 R4 | L C D ユ ニ ッ ト (VDF9870) | |
| | 450 | | WHEEL ASSEMBLY | PK COMMON | ホイール A s s ' y (VDF0600) | |
| | 450a | ZT234000 | | COMMON | ホ イ – ル | |
| * | 450b | | WHEEL SPRING | | ホ イ ー ル バ ネ | |
| | 460 | ZT234000 | | COMMON | ホ イ ー ル | |
| * | 470 | VDE57600 | CIRCUIT BOARD | PB | P C B P B | |
| * | 480 | VDE57700 | CIRCUIT BOARD | MOD G-31KA/KANTO KASEI | P C B M O D | |
| | 500 550 | WE774302 | GREASE PK G31KA (1KG) BIND HEAD TAPPING SCREW-B | G-31KA(KANTO-KASEI 3.0X8 MFZN2W3 | グ リ ス (VE96850) B タ イ ト + B I N D | 84 |
| | 560 | WE774302 WE878300 | BIND HEAD SCREW | 3.0X6 MFZN2B3 | B ダ 1 F T B I N D 小 ネ ジ + B I N D | 2 |
| - | 600 | | WIRE HARNESS CLAMP | C.O.O. IVII ZIAZDO | 末 線 止 め (ZF68590) | 2 |
| | 610 | | WIRE HARNESS CLAMP | | 末 線 止 め (ZF68600) | 4 |
| | 650 | | SPONGE | | 防 振 ス ポ ン ジ (ZA22070) | 2 |
| | 660 | | SPONGE | | 防振スポンジ (ZA22060) | |
| | 700 | | CONNECTOR ASSEMBLY | 9P 180mm PH-PH | P H - P H 東 線 (VCV3290) | |
| Ī | 710 | | CONNECTOR ASSEMBLY | 6P 220mm PH-PH | P H - P H 束 線 (VCV3260) | |
| | 720 | | CONNECTOR ASSEMBLY | 15P 220mm GH-GH | G H - G H 束 線 (VCV3270) | |
| | 730 | | CONNECTOR ASSEMBLY | PWS | P W S 束 線 (ZN56950) | |
| | 740 | | CONNECTOR ASSEMBLY | WHEEL | W H E E L 束線 | |
| - | 750 | | CONNECTOR ASSEMBLY | 8P 200mm GH-GH | G H - G H 束線 (VCV3280) | |
| | 760 | VDE00000 | CONNECTOR ASSEMBLY | 14P 60mm PH-PH | P H - P H 束 線 (VDF6950) | 3 |
| * | 770 | VDE68600 | FFC CABLE | 30P 50mm P=1.0 | $\begin{array}{c ccccccccccccccccccccccccccccccccccc$ | |
| | 800 | | NONWOVEN CLOTH PNLA | | 不 織 布 P N L A (ZP36500) | |
| | 810 | | NONWOVEN CLOTH PNRA | | 不織布PNRA (ZP36510) | |
| - | 820 | | NONWOVEN CLOTH PNLB | | 不織布PNCA (ZP36520) | |
| - 1 | 830 840 | | NONWOVEN CLOTH PNLB NONWOVEN CLOTH PNRB | | 不 織 布 P N L B (ZP36530) 不 織 布 P N R B (VEA4550) | |
| - 1 | U+U | _ - | | | | |
| | 850 | | NONWOVEN CLOTH PNCB | | AN ASSE 45 P N (: B (7P36550) | |
| * | 850 910 | VDC13100 | NONWOVEN CLOTH PNCB LCD SUPPORT ASY | | 不 織 布 P N C B (ZP36550) L C D サポートASY | |

^{*:} New Parts

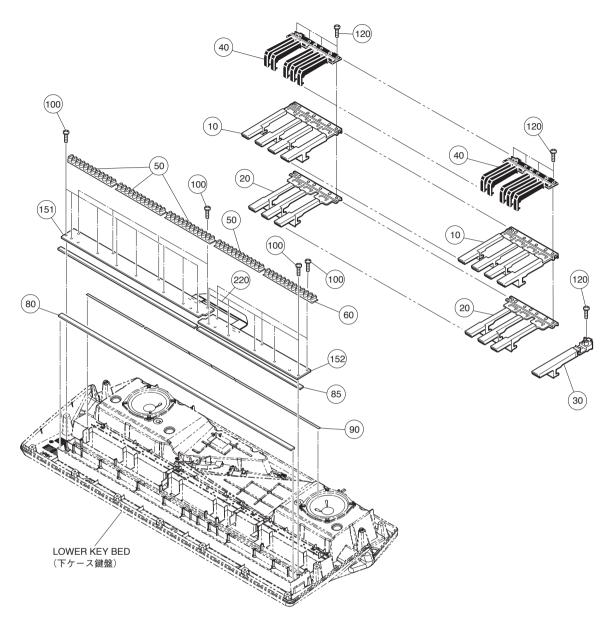
■ LOWER KEY BED ASSEMBLY (下ケース鍵盤Ass'y)



| - 1 | REF NO. | PART NO. | DESCRIPTION | 1 | 部 品 名 | REMARKS | QTY |
|-----|---------|----------|---------------------------|--------------------|------------------|------------------------|-----|
| t | | | LOWER KEY BED ASSEMBLY | | 下ケース鍵盤Ass'y | PSR-SX600 | t |
| İ | | | LOWER KEY BED ASSEMBLY | | 下ケース鍵盤Ass'y | (VDF0510) | |
| ١ | 10 | ZN791300 | LOWER CASE SUB ASSEMBLY | PK | 下ケースサブAss'y | , , | |
| | 10a | V928180R | | T1.6 | ゴム脚 | | 5 |
| | 20 | | 16N-C61 KEYBOARD | 16N 61 D2 I | 1 6 N - C 6 1 鍵盤 | (ZQ05500) | |
| - | 30 | | WIRING ASSEMBLY | 12P L=400 | 東線 | (ZA27430) | t |
| | 40 | | WIRING ASSEMBLY | 5P L=500 | 東線 | (ZA27430) (ZA26120) | |
| 1 | | | | | | | |
| k | 50 | | WIRING ASSEMBLY | 7P L=300 | | (ZA26460) | |
| - 1 | 60 | | LOUD SPEAKER | 12.0cm 4ohm 15w | スピーカ | | 2 |
| * | 100 | | CIRCUIT BOARD | KEY | P C B K E Y | | ļ |
| - | 150 | | BIND HEAD TAPPING SCREW-B | 4.0X10 MFZN2W3 | B タイト+ B I N D | | 8 |
| - | 160 | WE774302 | BIND HEAD TAPPING SCREW-B | 3.0X8 MFZN2W3 | B タイト+ B I N D | | 7 |
| - | 180 | WG479400 | FILAMENTTAPE12MMX50MM | FILAMENT 12mmX50mm | フィラメントテープ | | 3 |
| - | 250 | | WIRING ASSEMBLY SP | | S P 束 線 | (ZN56990) | |
| ı | 260 | | PH-GH ASSEMBLY | 7P 680mm GH-PH | P H - G H 束 線 | (VCV3250) | |
| ľ | 400 | | FERRITE CORE | | フェライトコア | (ZU41470) | İ |
| ١ | 410 | | SPONGE | | 防振スポンジ | (VDX4520) | |
| | | | | | | (1-1-1-7) | |
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^{*:} New Parts

■ KEYBOARD ASSEMBLY (16N-C61鍵盤)



| | REF NO. | PART NO. | DESCRIPTION | | 部 | | F | 品 | | 名 | REMARKS | QTY |
|---|---------|----------|-------------------------------|----------------|---|-----|-------|-----|-----|------------|-----------|-----|
| | | | 16N-C61 KEYBOARD | | 1 | 6 N | I — (| C 6 | 1 | 鍵 盤 | PSR-SX600 | |
| - | | | 16N-C61 KEYBOARD | 16N 61 D2 I | 1 | 6 N | I — (| C 6 | 1 | 鍵 盤 | (ZQ05500) | |
| | 10 | WB124900 | WHITE KEY CEGB-W | | 白 | 鍵 (| CE | G | В | - W | | 5 |
| | 20 | WB125800 | WHITE KEY DFA-W | | 白 | 鍵 | D | F A | Δ - | - W | | 5 |
| | 30 | V476030R | WHITE KEY 16N C' PSR-170/ | | 白 | | 1 | 湕 | | С | | |
| | 40 | ZQ055500 | BLACK KEYS | 16N | 黒 | | | | | 鍵 | | 5 |
| | 50 | V341360R | RUBBER CONTACT | 16N-2M OCT 2M | 接 | 点二 | ÏΔ | 1 6 | Ν | 2 M | | 4 |
| * | 60 | V7477420 | KEYBOARD RUBBER CONT | M 13K 2M | 接 | 点 = | ÏΔ | 1 6 | Ν | 2 M | | |
| * | 80 | VZ303030 | FELT L | 827 11 SHIRO | フ | I | | レ | 1 | L | | |
| L | 85 | VZ302901 | FELT U | 836 5 SHIRO | フ | I | | ル | ۲ | U | _ | |
| - | 90 | WA525103 | CUSHION SHEET PSR200 | 16L,M,N | ク | ッ: | ショ | ン | シ | − ト | | |
| - | 100 | WE774302 | BIND HEAD TAPPING SCREW-B | 3.0X8 MFZN2W3 | В | タイ | ` | + B | - 1 | N D | | 20 |
| - | 120 | WF49200R | BIND HEAD TAPPING SCREW-P | 3.0X20 MFZN2W3 | P | タイ | , | + B | - 1 | N D | | 21 |
| - | 151 | V869530R | CIRCUIT BOARD | 61L | Р | С | В | 6 | 1 | L | | |
| L | 152 | V869550R | CIRCUIT BOARD | 61H | Р | С | В | 6 | 1 | Н | | |
| | 220 | | CONNECTOR ASSEMBLY 16N-2M-C61 | 10 | 中 | | 継 | 5 | 耟 | 線 | (V869620) | |
| | | | | | | | | | | | | |
| ļ | | | | | | | | | | | | |
| - | | | | | | | | | | | | |
| L | | | | | | | | | | | | |

*: New Parts

■ ELECTRICAL PARTS(電気部品)

DM

| ī | REF NO. | PART NO. | DESCRIPTION | | 部 | | | 品 | | 名 | REMARKS | QTY |
|-----|----------|----------|------------------------------|--------------------|-----|---|----|----------------|-----|-----|---|--|
| ł | HEI NO. | PART NO. | ELECTRICAL PARTS | | 電電 | 4 | ₹ | | iB | 品 | PSR-SX600 | w |
| * | | VCR26100 | CIRCUIT BOARD | DM OTHER | P | c ´ | ъВ | | D | М | J,U,E,B,K,O,Y,A,P,Z (YK527C0) | |
| - 1 | | | CIRCUIT BOARD | DM INA | P. | C | В | | D | М | (VDN4140)(YK527C0) | |
| * | | VCR26200 | CIRCUIT BOARD | JK | P | Ċ | В | | J | K | (YK528C0) | |
| * | | VDX36200 | CIRCUIT BOARD | PNC | PC | | | N (| | Р | (****====*, | |
| Ì | 320a | - | CIRCUIT BOARD | PNC | | | В | Р | | С | (VCR2650)(VCR2630)(YK529C0) | |
| l | 320b | | NONWOVEN CLOTH | 72X10X0.35 BLACK | 不 | _ | | 織 | | 布 | (ZP52870) | l i |
| ı | 320c | | NONWOVEN CLOTH | 55X10X0.35 BLACK | 不 | | | 織 | | 布 | (ZP52880) | |
| * | 0200 | VCR26600 | CIRCUIT BOARD | KEY | 1 | С | В | K | Е | Υ | (VCR2630)(YK529C0) | |
| * | | VCR35800 | | ENC | 1 | | В | E | | Ċ | (VCR2630)(YK529C0) | |
| * | | VDE57300 | | PNL | | | B | P | | L | (VDE5720)(YK886B0) | †************************************* |
| * | | VDE57400 | | PNR | 1 | C | В | Р | | R | (VDE5720)(YK886B0) | |
| * | | VDE57500 | | PWS | 1 | | В | P | | S | (VDE5720)(YK886B0) | l i |
| * | | VDE57600 | CIRCUIT BOARD | РВ | Р | С | В | | Р | В | (VDE5720)(YK886B0) | |
| * | | VDE57700 | CIRCUIT BOARD | MOD | Р | С | В | M | 0 | D | (VDE5720)(YK886B0) | l i |
| İ | | V869530R | CIRCUIT BOARD | 61L | Р | С | В | 6 | 1 | L | (V869520)(X2336C0) | |
| i | | V869550R | CIRCUIT BOARD | 61H | Р | С | В | 6 | 1 | Н | (V869540)(X2335D0) | l i |
| i | | | | | | | | | | | , , , , | |
| * | | VCR26100 | CIRCUIT BOARD | DM OTHER | Р | С | В | | D | М | J,U,E,B,K,O,Y,A,P,Z (YK527C0) | |
| | | | CIRCUIT BOARD | DM INA | P | Ċ | В | | D | М | I (VDN4140)(YK527C0) | |
| Ì | CB203 | V680260R | CONNECTOR | USB 4P SE | U | | | | ァッ | ク | , | † |
| | CB204 | WH780302 | CONNECTOR | UBA 4P SE | 1 | | | | タク | | | |
| | CB301 | VL844801 | | XH 4P TE | 1 | | | | ポス | | | |
| | JK300 | WJ306201 | | MSJ-064-15A B AG | 1 | | | ⊐ [`] | | タ | | |
| | C246 | | ELECTROLYTIC CAPACITOR | 150.00 10.0V CHIP | 1 | | | ン F | | D | | |
| İ | C331 | WN561600 | CAPACITOR | 10 16V RVL-16V100M | チ | ッ - | プ・ | ケミ | | ン | | |
| l | -334 | WN561600 | CAPACITOR | 10 16V RVL-16V100M | チ | | | ケミ | | ン | | i |
| l | C340 | WN561600 | CAPACITOR | 10 16V RVL-16V100M | チ | · - | プ・ | ケミ | | ン | | i |
| ı | C341 | WN561600 | CAPACITOR | 10 16V RVL-16V100M | チ | | | ケミ | | ン | | |
| ı | C369 | 1 | ELECTROLYTIC CAPACITOR | 220.00 35.0V | チッ | ゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚゚ | ケミ | : | ンし | D | | |
| Ì | C370 | • | ELECTROLYTIC CAPACITOR | 220.00 16.0V TP | チッ | プ・ | ケミ | コ : | | / T | | |
| l | C371 | | ELECTROLYTIC CAPACITOR | 220.00 16.0V TP | チッ | | | | | / T | | i |
| l | C376 | | CAPACITOR | 10 25V RVB-25V100M | | | | B F | | | | i |
| ı | C377 | | CAPACITOR | 10 25V RVB-25V100M | | - | | B F | | ン | | |
| - 1 | C380 | | CAPACITOR | 10 16V RVL-16V100M | | | _ | ケミ | | ン | | |
| Ì | C381 | • | CAPACITOR | 10 16V RVL-16V100M | | | | ケミ | | ン | | |
| i | C409 | | ELECTROLYTIC CAPACITOR(CHIP) | 47 16V | | | | ケミ | | ン | | |
| l | C431 | 1 | ELECTROLYTIC CAPACITOR(CHIP) | 47 16V | 1 . | | | ケミ | | ン | | i |
| l | C470 | | ELECTROLYTIC CAPACITOR(CHIP) | 47 16V | | - | | ケミ | | ン | | |
| ı | C471 | | ELECTROLYTIC CAPACITOR(CHIP) | 47 16V | チ | · - | _ | ケミ | | ン | | |
| * | C501 | • | CAPACITOR | 220 25V VEJ | チ | ッ : | プ・ | ケミ | : 🗆 | ン | | |
| l | C509 | UF038103 | ELECTROLYTIC CAPACITOR(CHIP) | 100 16V | チ | · - | ゚ | | | ン | | i |
| i | IC100 | YH621A00 | IC . | MB8AA4710MP-GE1 | C F | P U | / | 周 | 辺I | С | | l i |
| ı | IC101 | YD933A01 | IC | RP131H151D-T1-FE 1 | 電 | 7/ | 原 | - 1 | | С | | |
| * | IC102 | YK887C00 | IC | MAIN | 書 | 込 | 済 | R | 0 | M | | |
| Ì | IC103 | YD877A00 | | S1D13781F00A100 LC | | | | 周 | | С | | |
| İ | IC104 | X9347A01 | | R3112N291A-TR-FE | 1 | | | 出 | - 1 | С | | |
| l | | X4943E00 | | W9825G6KH-6 SDRAM | Х | | | IJ. | I | С | | |
| ı | | X4943E00 | | W9825G6KH-6 SDRAM | Х | Ŧ | | IJ | I | C | | |
| | IC200 | X4943E00 | IC | W9825G6KH-6 SDRAM | Х | Ŧ | | IJ | 1 | С | | |
| Ì | IC201 | XZ414G00 | IC | W9864G6KH-6 SDRAM | У | Ŧ | | IJ | I | С | | |
| * | | YK888B00 | | WAVE CS0-L V1.00 | 書 | 込 | 済 | R | 0 | Μ | | |
| * | IC203 | YK889B00 | IC | WAVE CS0-H V1.00 | 書 | 込 | 済 | R | 0 | Μ | | İ |
| * | IC204 | YK885A00 | IC | CDCS501PWR | スペ | ク | トラ | ム払 | 太散発 | 法振 | | |
| I | IC207 | YD235A00 | IC | R5524N002A-TR-FE | 電 | il | 亰 | ا | | С | | |
| ĺ | IC300 | X6040A0R | IC | AK4385ET | | С | | D | Α | С | | |
| İ | IC301 | X7357B00 | IC | PCM1803ADBR | 1 | | | | | С | | |
| İ | IC302 | X7357B00 | IC | PCM1803ADBR | 1 | | | | | С | | |
| I | | X5482A01 | | NE5532DR OP AMP | アン | ノプ | 1 | С | S O | Р | | |
| | IC304 | X5482A01 | IC | NE5532DR OP AMP | | | | | S O | | | <u></u> |
| ĺ | IC305 | X5049A0R | IC | NJM4556AM-TE1 | | | | | S O | | | |
| I | IC306 | X5482A01 | IC | NE5532DR OP AMP | アン | ノプ | | | S O | | | |
| I | IC307 | YD652A01 | IC | YDA164C-QZE2 | 1 | С | テ | ジ | タ | ル | | |
| * | IC308 | YH745A00 | IC | NJU72341V(TE2) | 1 | С | ア | ' ナ | | グ | | |
| Į | IC312 | X5482A01 | IC | NE5532DR OP AMP | アン | ノプ | ı | С | S O | Р | | <u> </u> |
| ĺ | IC500 | YG824A00 | IC | R1501S120B-E2-FE | 電 | i | 亰 | - 1 | | С | | 1 |
| | | X9347A01 | | R3112N291A-TR-FE | 電 | | | | | С | | |
| | | YD766A01 | | ISL85033IRTZ-T DC/ | 1 | | | コ : | ノバー | | | |
| - | IC506 | YD956A00 | IC | R1191H050D-T1-FE | 電 | il | 亰 | - 1 | | С | | |
| | IC507 | YG611A01 | IC | RP132S001D-E2-FE V | 電 | ì | 亰 | - 1 | | С | | |
| | ≽. Now E | 3 | | | | | | | | | | |

*: New Parts

DM and JK and PNC/KEY/ENC

| | REF NO. | PART NO. | DESCRIPTION | | 部 | | 品 | | 名 | REMARKS QTY |
|----------|----------------|----------------------|---|--|--------|-----------|------------|--------------|----------|-------------------------------|
| | R323 | | CARBON RESISTOR (CHIP) | 1.0K 63M J RECT. | チ | ツ | プ | 抵 | 抗 | J,U,E,B,K,O,Y,A,P,Z (RD45610) |
| | R340 | RD156390 | CARBON RESISTOR (CHIP) | 3.9K 1/4 J TP | チ | ツ | プ | 抵 | 抗 | |
| | -342 | RD156390 | CARBON RESISTOR (CHIP) | 3.9K 1/4 J TP | チィ | ツ | ププ | 抵 | 抗 | |
| | R413 R414 | RD154180 RD154180 | CARBON RESISTOR (CHIP) | 18.0 1/4 J TP | チチ | ツッ | プ プ | 抵 抵 | 抗 抗 | |
| | R419 | RD154160 | CARBON RESISTOR (CHIP) CARBON RESISTOR (CHIP) | 18.0 1/4 J TP 15.0 1/4 J TP | チ | ッツ | プ | 抵 | 抗 | |
| | R421 | RD154151 | CARBON RESISTOR (CHIP) | 15.0 1/4 J TP | チ | ッツ | プ | 抵 | 抗抗 | |
| | R527 | RD155681 | CARBON RESISTOR (CHIP) | 680.0 1/4 J TP | チ | ッ | プ | 抵 | 抗抗 | |
| | R529 | RD155681 | CARBON RESISTOR (CHIP) | 680.0 1/4 J TP | チ | ッ | プ | 抵 | 抗 | |
| | XL200 | ZP547600 | R QUARTZ 48MHz | 48M DSO221SHF 48MH | 水 | 晶 | 発 | 振 | 器 | |
| | XL300 | WM284900 | QUARTZ CRYSTAL UNIT | 22.5792M DSX321G | 水 | 晶 | 振 | 動 | 子 | |
| | | | | | | | | | | |
| * | | VCR26200 | CIRCUIT BOARD | JK | P | С | В | J | K | (YK528C0) |
| | C107 | WD887300 | ELECTROLYTIC CAPACITOR | 4700 25.0V TATEJI | ケ | | | \neg | ン | |
| <u> </u> | D108 JK100 | V9917101 VM57600R | DIODE CONNECTOR | S3V60-5004P15 FOR. JACK YKB21-5074 | ダホ | イ - ン: | | ー フタ(| ド 黒) | |
| | JK100 | VM57600R | CONNECTOR | JACK YKB21-5074 | | | コホノコネク | | | |
| | JK102 | ZA590001 | CONNECTOR | JACK MINI STEREO | | - : | | ネク | | |
| | JK103 | WJ306201 | CONNECTOR | MSJ-064-15A B AG | | - > | | | タ | |
| | JK104 | VM57600R | CONNECTOR | JACK YKB21-5074 | | | コネク | | 黒) | |
| | JK105 | VM57600R | CONNECTOR | JACK YKB21-5074 | ホ | - ン | コネク | フタ (| 黒) | |
| Æ | JK106 | ZN138300 | CONNECTOR | CONNECTOR KM02031E | 電 | 源 | コ <i>ネ</i> | ネ ク | タ | |
| _ | Q100 | ZA675500 | FET KB-290 | TJ20A10M3 SUTO | F | | _ E | , | T | |
| ΔĹ | TH100 | | PROTECTOR SWITCH RUE250 | RUEF250 2.50A 30V | ポ | | | イ ッ | チ、 | |
| | C106 | UR838101 | ELECTROLYTIC CAPACITOR | 100.00 16.0V RX TP | ケ | 3 | | | ン | |
| | C109 C110 | UR867101 | ELECTROLYTIC CAPACITOR ELECTROLYTIC CAPACITOR | 10.00 50.0V RX TP | ケケ | 3 | | ココ | ン | |
| | C110 | | ELECTROLYTIC CAPACITOR | 10.00 50.0V RX TP 10.00 50.0V RX TP | ケケ | 3 | | | ンン | |
| | C116 | UR867101 | ELECTROLYTIC CAPACITOR | 10.00 50.0V HX TP | ケ | 3 | | _ | ン | |
| | C128 | | ELECTROLYTIC CAPACITOR | 47.00 16.0V RX TP | ケ | 3 | | | シ | |
| | C212 | UR838101 | ELECTROLYTIC CAPACITOR | 100.00 16.0V RX TP | ケ | | | ⊐ | ン | - |
| | L107 | GE300670 | FERRIT | BL02RN2R1P1A TATET | フ | ェラ | イト | ・ビ - | - ズ | |
| | -114 | GE300670 | FERRIT | BL02RN2R1P1A TATET | 1 | | イト | | | |
| | IC100 | X5482A01 | IC | NE5532DR OP AMP | | ンプ | | | O P | |
| | IC250 | | IC | R1202L711D-TR LED_ | | |) C 🗖 | | | (YK553A0) |
| | R104 | RD154221 RD154221 | CARBON RESISTOR (CHIP) | 22.0 1/4 J TP | チィ | ツ | ププ | 抵 | 抗 | |
| | R105 R121 | RD154221 | CARBON RESISTOR (CHIP) CARBON RESISTOR (CHIP) | 22.0 1/4 J TP 0.0 1/4 J TP | チチ | ツツ | プ プ | 抵 抵 | 抗 抗 | |
| | R122 | RD150001 | CARBON RESISTOR (CHIP) | 0.0 1/4 J TP | チ | ·y | プ | 抵 | 抗抗 | |
| | | | 67 H. 12 G. 17 T. 12 G. 17 T. | 0.0 17.0 11 | | | | JE4 | 170 | |
| 妆 | | VDX36200 | CIRCUIT BOARD | PNC | Р | СВ | PΝ | С | SP | |
| | 320a | | CIRCUIT BOARD | PNC | Р | С | В | P N | С | (VCR2630)(YK529C0)(VCR2650) |
| | 320b | | NONWOVEN CLOTH | 72X10X0.35 BLACK | 不 | | 織 | | 布 | (ZP52870) |
| | 320c | | NONWOVEN CLOTH | 55X10X0.35 BLACK | 不 | _ | 織 | | 布 | (ZP52880) |
| * | • | VCR26600 | CIRCUIT BOARD | KEY | Р | | | KE | Υ | (VCR2630)(YK529C0) |
| * | SW118 | VCR35800 | CIRCUIT BOARD ENCODER REB161-PVB-15FH1NA | ENC REB161(9X5)PVB15FH | P 1 | | B ェン | E N . ¬ - | | (VCR2630)(YK529C0) |
| | | WG31840R | | SKRGAMD010 | タ | りか | | s - | - y W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | S | W | |
| | SW102 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , - | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | - |
| | SW104 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ٢ | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | <u>ا</u> | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | <u>ا</u> | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タカ | ク | <u> </u> | S | W | |
| | SW108 | WG31840R WG31840R | TACT SWITCH TACT SWITCH | SKRGAMD010 SKRGAMD010 | タタ | クク | ۲ د | S S | W | |
| | SW109 | | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ ا | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | S | W | |
| | SW112 | | TACT SWITCH | SKRGAMD010 | タ | ク | , - | S | W | |
| | SW113 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | - |
| | | | TACT SWITCH | SKRGAMD010 | タ | ク | ٢ | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | <u>۱</u> | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ١. | S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | <u> </u> | S | W | - |
| | SW119 | WG31840R WG31840R | TACT SWITCH | SKRGAMD010 SKRGAMD010 | タカ | クク | 1 | S | W | |
| | SW120 SW121 | WG31840R | TACT SWITCH TACT SWITCH | SKRGAMD010 SKRGAMD010 | タタ | クク | ۲ د | S S | W | |
| | | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ ا | S | W | |
| | | WG31840R | | SKRGAMD010 | クタ | ク | - | S | W | |
| | *: New F | | | | | | | | | |

^{*:} New Parts

PNC/KEY/ENC and PNL/PNR/PWS/PB/MOD

| DEENIO | DADTNO | DECODIDETION | | ŻĪ DEMADICO | OT1/ |
|---------|----------|------------------------------|--------------------|--|------|
| REF NO. | | DESCRIPTION | OKDOANADOAO | | QTY |
| SW124 | | TACT SWITCH | SKRGAMD010 | 9 7 h S W | |
| SW125 | | TACT SWITCH | SKRGAMD010 | 9 7 h S W | |
| SW126 | | TACT SWITCH | SKRGAMD010 | 9 7 | |
| SW127 | | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW128 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW129 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW130 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW131 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | l |
| SW132 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | i |
| SW133 | 1 | TACT SWITCH | SKRGAMD010 | a b S W | |
| SW134 | | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW135 | | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW136 | | TACT SWITCH | SKRGAMD010 | 9 7 h S W | |
| | | | | | |
| SW137 | | TACT SWITCH | SKRGAMD010 | 9 7 | |
| SW138 | | TACT SWITCH | SKRGAMD010 | 9 7 h S W | |
| SW139 | 1 | TACT SWITCH | SKRGAMD010 | 9 7 h S W | |
| SW140 | | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| SW141 | | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| C116 | UF038103 | ELECTROLYTIC CAPACITOR(CHIP) | 100 16V | チップケミコン | |
| C117 | UF11833R | CAPACITOR | 330 6.3V | チップケミコン | |
| C118 | UF11833R | CAPACITOR | 330 6.3V | チップケミコン | |
| C158 | UF038103 | ELECTROLYTIC CAPACITOR(CHIP) | 100 16V | チップケミコン | |
| C314 | UF037101 | CAPACITOR | 10 16V | チップケミコン | |
| D200 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チップLED | |
| D201 | VAU51300 | LED | QSML-Z191-TVBE0 OR | , , , , , , , , , , , , , , , , , , , | |
| D201 | VAU51300 | LED | QSML-Z191-TVBE0 OR | | |
| D202 | 1 | LED | | | |
| | VAU51300 | | QSML-Z191-TVBE0 OR | _ | |
| D204 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チップ L E D | |
| D205 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チ ッ プ L E D | |
| D206 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チ ッ プ L E D | |
| D207 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チ ッ プ L E D | |
| D208 | VAU51300 | LED | QSML-Z191-TVBE0 OR | チ ッ プ L E D | |
| D209 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チ ッ プ L E D | |
| D210 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チップ L E D | l |
| D211 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チップ L E D | |
| D212 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チップ L E D | |
| D213 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チップLED | |
| D214 | VAU50900 | LED | QSMR-Z191-STBC3 BL | , , , , , , , , , , , , , , , , , , , | |
| D214 | VAU50900 | LED | QSMR-Z191-STBC3 BL | チップLED | |
| | | | | | |
| D216 | VAU50900 | LED | QSMR-Z191-STBC3 BL | | |
| IC100 | YD841D00 | IC | TMP89FW24AFG-7R00 | C P U / 周 辺 I C | |
| * IC302 | YK193C00 | IC | LPC844M201JBD48E C | 書 込 済 C P U | |
| R101 | RD155331 | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R103 | RD155331 | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R105 | RD155120 | CARBON RESISTOR (CHIP) | 120.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R107 | RD155331 | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チ ッ プ 抵 抗 |] |
| R109 | RD155120 | CARBON RESISTOR (CHIP) | 120.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R111 | | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チップ 抵 抗 | |
| R113 | | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R115 | | CARBON RESISTOR (CHIP) | 120.0 1/4 J TP | チ ッ プ 抵 抗 | |
| R117 | RD155331 | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チップ抵抗 | |
| R119 | 1 | , , | 330.0 1/4 J TP | チップ抵抗 | |
| R121 | RD155331 | CARBON RESISTOR (CHIP) | 330.0 1/4 J TP | チップ 抵抗 | |
| | | | | | |
| R123 | RD155120 | CARBON RESISTOR (CHIP) | 120.0 1/4 J TP | チップ抵抗 | |
| | VDE57000 | CIRCUIT BOARD | DNI | D. C. D. D. N. I. A/DEFTON/A/(COORDS) | |
| * | VDE57300 | CIRCUIT BOARD | PNL | P C B P N L (VDE5720)(YK886B0) | |
| * | VDE57400 | CIRCUIT BOARD | PNR | P C B P N R (VDE5720)(YK886B0) | |
| * | VDE57500 | CIRCUIT BOARD | PWS | P C B P W S (VDE5720)(YK886B0) | |
| * | VDE57600 | CIRCUIT BOARD | PB | P C B P B (VDE5720)(YK886B0) | |
| * | VDE57700 | CIRCUIT BOARD | MOD | P C B M O D (VDE5720)(YK886B0) | |
| VR202 | VQ032500 | ROTARY VR B10K | B 10.0K RK11K11300 | ロ - タ リ - V R | |
| VR203 | VQ032500 | ROTARY VR B10K | B 10.0K RK11K11300 | ロ - タ リ - V R | |
| VR501 | WZ510001 | VR ROTARY | B 10.0K RK11K1110D | ロ - タリ - V R | |
| VR502 | | VR ROTARY | B 10.0K RK11K1110D | $\Box - \beta \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup \cup$ | |
| VR503 | | ROTARY POT. B10K | B 10K RK11K1130A0M | ロータリーボリューム | |
| VR503 | | ROTARY VR | B 10.0K XV012113YN | ロータリーボリューム | |
| SW201 | | TACT SWITCH | SKRGAMD010 | 9 7 1 S W | |
| | | | | | |
| SW202 | | TACT SWITCH | SKRGAMD010 | | |
| SW203 | | TACT SWITCH | SKRGAMD010 | 9 7 | |
| SW204 | WG31840R | TACT SWITCH | SKRGAMD010 | タ ク ト S W | |
| *: New | Parts | | | | |

PNL/PNR/PWS/PB/MOD

| REF NO. | PART NO. | DESCRIPTION | | 部 | | 品品 | | 名 | REMARKS | QTY |
|----------|----------|-------------|---|--|---|----------|---|---|----------|-----|
| SW205 | WG31840R | TACT SWITCH | SKRGAMD010 | | ク | | | W | HEWIANKS | |
| SW206 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW207 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW208 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW209 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW210 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | w | | |
| SW211 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW212 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW213 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW214 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW215 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| SW216 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | 1 | |
| SW217 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| 1 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , - | | w | | |
| SW219 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , - | | w | | |
| SW220 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , , | | W | | |
| SW221 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , - | | w | 1 | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | w | | |
| SW223 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | w | | |
| SW224 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW225 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | w | | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW227 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | , - | | w | 1 | |
| SW229 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW230 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| SW231 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | - | | w | | |
| SW232 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | w | | |
| SW233 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ١ | | w | 1 | |
| SW234 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | | w | | |
| SW235 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ト | | W | | |
| SW236 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | w | 1 | |
| SW237 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | w | 1 | |
| SW238 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | w | 1 | |
| SW239 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | w | 1 | |
| SW240 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ト | | W | | |
| SW301 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | w | 1 | |
| SW302 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | S | W | | |
| SW303 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | S | W | 1 | |
| SW304 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | w | 1 | |
| SW305 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | W | | |
| SW306 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | S | W | | |
| SW307 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | S | W | | |
| SW308 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | F | S | W | 1 | |
| SW309 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| SW310 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | W | | |
| SW311 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | 1 | | W | | |
| | WG31840R | | SKRGAMD010 | タ | ク | 1 | _ | W | | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | W | | |
| SW314 | | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| | WG31840R | | SKRGAMD010 | タ | ク | ٢ | | W | | |
| SW316 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| SW317 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | W | | |
| | WG31840R | | SKRGAMD010 | タ | ク | | | W | | |
| | WG31840R | | SKRGAMD010 | タ | ク | | | W | | |
| SW320 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ١ | | W | | |
| | WG31840R | | SKRGAMD010 | タ | ク | | | W | | |
| SW322 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | | W | | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | | W | | |
| SW324 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | \ | | W | | |
| SW325 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ١ | | W | | |
| SW326 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | S | w | | |
| SW327 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | | |
| SW328 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | S | W | | |
| | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ١ | | W | | _ |
| SW330 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ٢ | S | W | | |
| SW331 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | | |
| SW332 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | | |
| SW333 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | | S | W | | |
| SW334 | WG31840R | TACT SWITCH | SKRGAMD010 | タ | ク | ۲ | S | W | | |
| *: New P | | - | , | <u>, , </u> | - | - | | _ | | |

^{*:} New Parts

PNL/PNR/PWS/PB/MOD and 61L-MK and 61H-MK

| REF NO. | PART NO. | DESCRIPTION | | 品 名 | REMARKS QTY |
|----------|----------------------|-----------------|---|------------------------|----------------------|
| SW335 | WG31840R | TACT SWITCH | SKRGAMD010 | クトSW | |
| SW501 | WG31840R | TACT SWITCH | SKRGAMD010 | クトSW | |
| D250 | VAU51300 | LED | QSML-Z191-TVBE0 OR | ップ LED | |
| D251 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D252 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D253 | VAU51300 | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D254 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| D255 | VAU51300 | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D256 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D257 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D258 | VAU50900 | | QSMR-Z191-STBC3 BL | ップ L E D | |
| D259 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D260 | VAU50900 | | QSMR-Z191-STBC3 BL | ップ L E D | |
| D261 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D262 | VAU50900 | | QSMR-Z191-STBC3 BL | ップ L E D | |
| D263 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D264 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| D265 | | LED | QSML-Z191-TVBE0 OR | ップ L E D | |
| D266 | | LED | QSMR-Z191-STBC3 BL | ップLED | |
| D267 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D268 | VAU50900 | | QSMR-Z191-STBC3 BL | ップ L E D | |
| D269 | | LED | QSML-Z191-TVBE0 OR | ップ L E D | |
| D270 | | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| D271 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D272 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| D273 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D274 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップLED | |
| D275 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D276 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップLED | |
| D277 | VAU51300 | | QSML-Z191-TVBE0 OR | ップLED | |
| D278 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| D279 | | LED | QSML-Z191-TVBE0 OR | ップ L E D | |
| D280 | VAU51300 | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D281 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D282 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップLED | |
| D350 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D351 | VAU51300 | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D352 | VAU51300 | | QSML-Z191-TVBE0 OR | ップLED | |
| D353 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D354 | VAU51300 | | QSML-Z191-TVBE0 OR | ップLED | |
| D355 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D356 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D357 | | LED | QSML-Z191-TVBE0 OR | ップLED | |
| D358 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D359 | | LED | QSML-Z191-TVBE0 OR | ップ L E D | |
| D360 | | LED | QSML-Z191-TVBE0 OR | ップ L E D | |
| D361 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D362 | VAU51300 | | QSML-Z191-TVBE0 OR | ップLED | |
| D363 | VAU50900 | | QSMR-Z191-STBC3 BL | ップLED | |
| D364 | VAU51300 | | QSML-Z191-TVBE0 OR | y プ L E D | |
| D365 | VAU50900 | | QSMR-Z191-STBC3 BL | ップLED | |
| D366 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D367 | VAU50900 | | QSMR-Z191-STBC3 BL | ップ L E D | |
| D368 | VAU51300 | | QSML-Z191-TVBE0 OR | ップ L E D | |
| D369 | VAU50900 | LED | QSMR-Z191-STBC3 BL | ップ L E D | |
| | W0007577 | OIDOLUT DO 4 DO | 041 | | 0.000,000,000 |
| D00: | | CIRCUIT BOARD | 61L | C B 6 1 L | (V869520)(X2336C0) |
| D001 | VB941201 | | 1SS133,1SS176 TE-5 | イ オ ー ド | |
| -72 | VB941201 | DIODE | 1SS133,1SS176 TE-5 | イ オ ー ド | |
| - | V0605505 | CIDCUIT BOARD | 6411 | C B 6 1 11 | (1/000540)/1/0005500 |
| D073 | V869550R VB941201 | CIRCUIT BOARD | 61H 1SS133,1SS176 TE-5 | C B 6 1 H イ オ ー ド | (V869540)(X2335D0) |
| | | | 1 | | |
| -122 | VB941201 | DIODE | 1SS133,1SS176 TE-5 | イ オ ー ド | |
| | | | | | |
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^{*:} New Parts

